Panasonic

Digital Cordless Phone

Operating Instructions

Model No. **KX-TCD535HK**

Preparation

Telephone System

Useful Information

SMS

Caller ID and SMS Compatible

Please read these Operating Instructions before using the unit and save for future reference.

Charge the batteries for about 7 hours before initial use.

Before Initial Use

Features

SMS (Short Message Service) compatibility

Now the convenience of sending and receiving text messages performed with the cordless handset is available from a home telephone.

Polyphonic Ringer Tones for Cordless Handset

A variety of high-quality sounds can be reproduced for your ringer tones.
You can choose from 9 pre-set melodies and 6 ringer tones.

Hands-Free Speakerphone

You can talk without holding cordless handset.
Convenient for talking while doing something else.
This feature is also available for the base unit.

Headset Jack

Plug in the optional headset for hands-free ease and freedom of use.

Illuminated Keypad

Lights up when there is an incoming call or anytime you touch a key for easy operation even in the dark.

200+20-Station Phonebook

Store up to 200 (for Handset Phonebook) plus 20 (for Base Unit Phonebook) names and numbers in the built-in telephone directory for easy access.

Multiple Cordless Handsets

Up to 6 cordless handsets can be registered with a single base unit for added convenience. (Optional cordless handset/charger is available separately.)

LCD Backlight

Lights up when there is an incoming call or anytime you touch a key for easy operation even in the dark.

Contents

Preparation
- Before Initial Use 2
- Important Information 6
- Location of Controls 7
- Icons above the SOFT KEYS 10
- Symbols Used for Operations 11
- Display 13
- Setting up 15

Telephone System
- Using the Telephone 21
- Caller ID 30
- List Menu 32
- Using the Phonebook 36
- Phonebook Copy 46
- SMS Feature (Text Message) 48
- Settings Menu Chart 65
- Handset Settings 67
- Base Unit Settings 78
- Operations Performed with the Base Unit 83
- Multi-Unit User Operations 89
- Walkie-Talkie 98

Useful Information
- Using the Belt Clip 101
- Optional Headset 101
- Desktop Use 102
- Wall Mounting 104
- Before Requesting Help 107
- Character Table 111
- Index 113
- Technical Information 114

For your information

Throughout these Operating Instructions, and are used to indicate with which unit an operation can be performed.

: Perform with cordless handset.

: Perform with the base unit.

: Perform with the cordless handset or base unit separately.

: Perform with the cordless handset and base unit together.

Before Initial Use

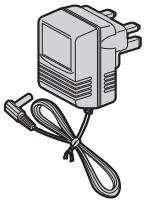
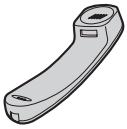
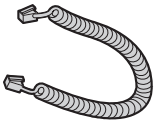
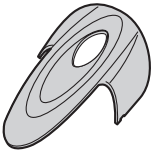
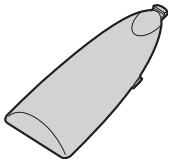
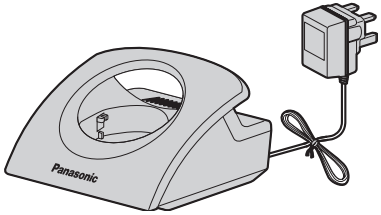
Thank you for purchasing your new Panasonic digital cordless telephone.

Dear purchaser,
You have acquired a KX-TCD535HK, which is a product made in accordance with the Digital Enhanced Cordless Telecommunications (DECT). DECT technology is characterized by high-security protection against interceptions as well as high-quality digital transmission. This telephone was designed for a wide range of applications. For example, this telephone can be used within a network of base units and cordless handsets, constituting a telephone system which:

- operates up to 6 cordless handsets at one base unit.
- allows an intercom between 2 registered units.
- allows the operation of a cordless handset at up to 4 base units, expanding the communication radio area.

Caller ID and SMS Services, where available, are network provider services. After subscribing to Caller ID, this phone will display the caller's phone number.

Accessories (specific to product type)

☐ AC Adaptor (for Base Unit) PQLV19E  one	☐ Telephone Line Cord one	☐ Handset  one
☐ Handset Cord  one	☐ Belt Clip  one	☐ Battery Cover  one
☐ Rechargeable Batteries (AAA size) HHR-4EPT/BA2 two	☐ Charger Unit AC Adaptor (for Charger) PQLV200E Charger  one	

☐ Operating Instructions ... one

☐ Quick Guide ..... one

Additional accessories are available for purchase. Contact your Panasonic Service Centre for further details. 24065555

Important Information

Use only the power supply included with the product.
Do not connect the AC adaptor to any AC outlet other than the standard AC220-240 V.
(For Base Unit)
The apparatus is approved for use with PQLV19E power supply.
(For Charger)
The apparatus is approved for use with PQLV200E power supply.
This apparatus is unable to make calls under the following conditions:

- The portable cordless handset batteries need recharging, or have failed.
- During a mains power failure.
- When the Key Lock is set to ON.
- When the unit is in Call Bar mode (only the emergency numbers can be made).

Do not open the base unit, cordless handset or charger (other than to change the batteries).
This apparatus should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.
Care should be taken that objects do not fall onto, and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.

Environment

Do not use this unit near water.
This unit should be kept away from heat sources such as radiators, cookers, etc. It should also not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C.
The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is located/installed near the unit and is accessible.

WARNING:
TO PREVENT THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY OTHER TYPE OF MOISTURE.

Battery Caution

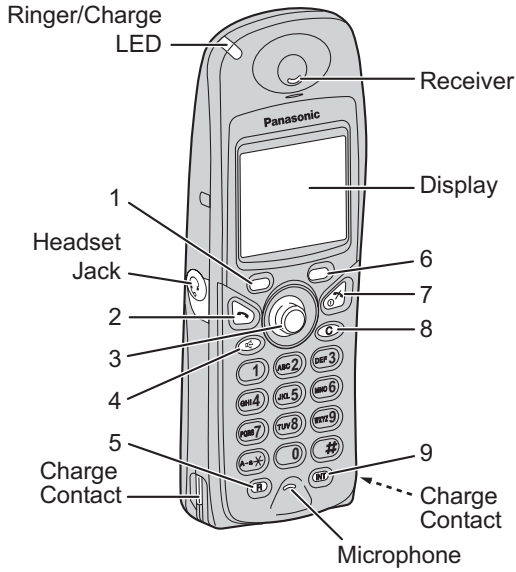
1. Use only the specified batteries.
2. **Use only rechargeable batteries.**
3. Do not mix old and new batteries.
4. Do not dispose of batteries in a fire, as they may explode.
   Check local waste management codes for special disposal instructions.
5. Do not open or mutilate the batteries.
   Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin.
   The electrolyte may be toxic if swallowed.
6. Exercise care in handling the batteries in order not to short circuit the batteries with conductive materials such as rings, bracelets and keys.
   The batteries and/or conductor may overheat and cause burns.
7. Charge the batteries in accordance with the information provided in this operating guide.

Location

- For maximum distance and noise-free operation, place your base unit:

- Away from electrical appliances such as TVs, radios, personal computers or other phones.
- In a convenient, high, and central location.

Cordless Handset



1 - **LEFT SOFT KEY**

2 - **TALK** Button

3 - **JOYSTICK**

4 - **SPEAKERPHONE** Button

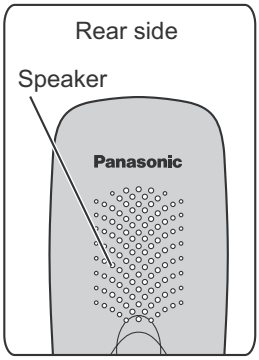
5 - **RECALL** Button

6 - **RIGHT SOFT KEY**

7 - **POWER/TALK OFF** Button

8 - **CLEAR** Button

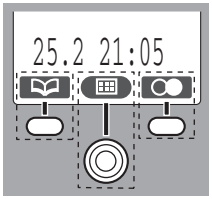
9 - **INTERCOM** Button



How to Use the Cordless Handset Soft Keys

The 3 soft keys are used to select functions displayed directly above the keys.
Functions displayed above the keys will change depending on the state of use.
For example, on the standby mode display, "", "" and "" are displayed above the soft keys.

Example: Standby Mode Display



To operate "" (**Phonebook**), press **LEFT SOFT KEY**.

To operate "" (**Menu**), press the centre of **JOYSTICK**, used as the middle soft key.

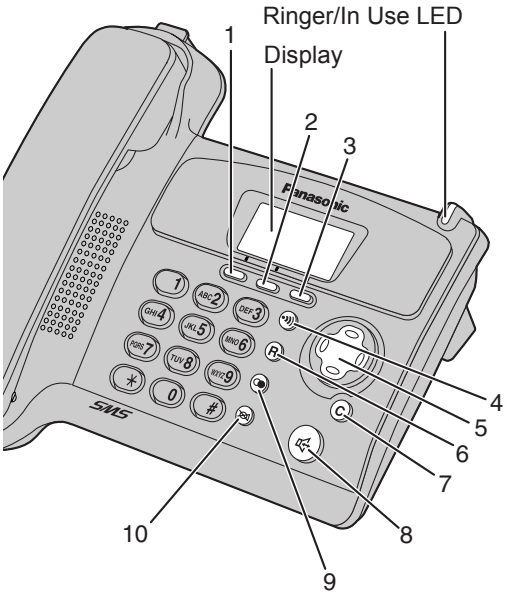
To operate "" (**Redial**), press **RIGHT SOFT KEY**.

When "" is displayed above a soft key, the soft key has no function.

- "" (**Menu**) can be selected when in the standby mode by moving **JOYSTICK** up, down, left or right.

Location of Controls

Base Unit



1 - **LEFT SOFT KEY**

2 - **MIDDLE SOFT KEY**

3 - **RIGHT SOFT KEY**

4 - **PAGE/INTERCOM** Button

5 - **NAVIGATOR KEY**

6 - **RECALL** Button

7 - **CLEAR** Button

8 - **SPEAKERPHONE** Button

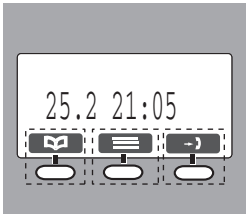
9 - **REDIAL** Button

10 - **MUTE** Button

How to Use the Base Unit Soft Keys

The 3 soft keys are used to select functions displayed directly above the keys. Functions displayed above the keys will change depending on the state of use. For example, on the standby mode display, "[ ]", "[ ]" and "[ ]" are displayed above the soft keys.

Example: Standby Mode Display



To operate "[ ]" (**Phonebook**), press **LEFT SOFT KEY**.

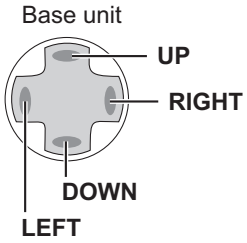
To operate "[ ]" (**Menu**), press **MIDDLE SOFT KEY**.

To operate "[ ]" (**Caller ID List**), press **RIGHT SOFT KEY**.

When "[ ]" is displayed above a soft key, the soft key has no function.

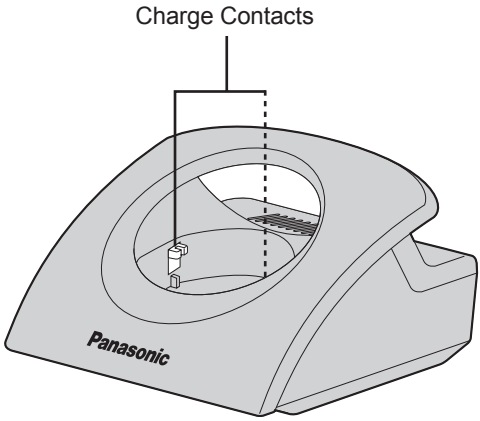
How to Use the Navigator Key

This key has four active areas.



UP	• Scrolls up through the function menu, Caller List and the Base Unit Phonebook. • Increases the volume.
DOWN	• Scrolls down through the function menu, Caller List and the Base Unit Phonebook. • Decreases the volume.
RIGHT	• Selects your menu choices.
LEFT	• Returns to the previous display.

Charger



Icons above the SOFT KEYS

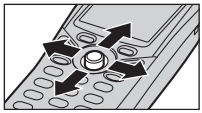
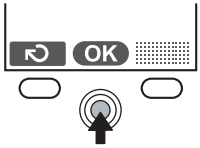
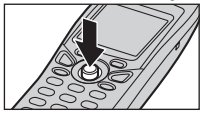
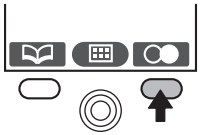
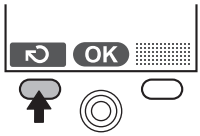
Icons above the Cordless Handset Soft Keys

Icons	Functions	Icons	Functions
	Go Back		LetterWise®
	Menu	ABC	Alphabet
	Sub-Menu	0-9	Numeric
OK	OK	АБГ	Greek
	Redial	AÄÅ	Extended 1
	Phonebook	SŠŠ	Extended 2
	New Phonebook	А Б В	Russian
	Search		Select
	Key Lock	P	Pause
12/24	12/24 Hour Clock		Mute
	No Function		Delete

Icons above the Base Unit Soft Keys

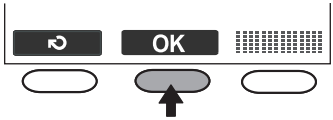
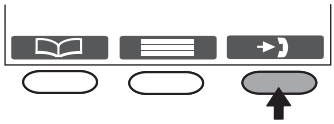
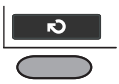
Icons	Functions	Icons	Functions
	Go Back		Delete
	Menu	P	Pause
OK	OK		Intercom/Paging
	Phonebook		Caller ID List
	No Function		

Symbols Used for Cordless Handset Operations

Symbol	Meaning	
	Move the **JOYSTICK** up, down, left or right. e.g., Search for the main menu. 	
e.g., OK	e.g., Display of menu items 	Press **JOYSTICK** directly in the centre. In this example, the desired item is selected. Press Directly 
e.g., Redial	e.g., Standby Mode Display 	Press **RIGHT SOFT KEY**. In this example, the telephone number last dialled is displayed.
e.g., Go Back	e.g., Display of menu items 	Press **LEFT SOFT KEY**. In this example, the display returns to the previous menu. (C) has the same function as go back.
	Press **POWER/TALK OFF** Button. **Press this button for one or two times then the display returns to the standby mode any time.**	

Symbols Used for Operations

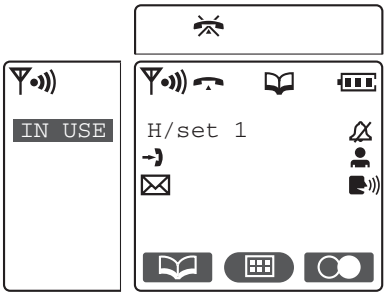
Symbols Used for Base Unit Operations

Symbol	Meaning	
	Press **NAVIGATOR KEY** up or down. e.g., Search for the desired item.	
e.g., OK 	e.g., Display of menu items 	Press **MIDDLE SOFT KEY**. In this example, the desired item is selected.
e.g., Caller ID List 	e.g., Standby Mode Display 	Press **RIGHT SOFT KEY**. In this example, the newest caller information is displayed.
e.g., Go Back 	e.g., Display of menu items 	Press **LEFT SOFT KEY**. In this example, the display returns to the previous menu.

Symbols Used for Cordless Handset/Base Unit Operations

Symbol	Meaning
	Go to the next step.
“ ”	The words in “ ” indicate the text shown on the display.
	The phone is ringing.

Handset Display Icons



Phonebook Mode

Battery strength

Direct Call ON

Ringer Volume OFF

Within range of a base unit

Out of range/No registration/
No power on base unit

Intercom/Paging/
While connecting with base unit

Making or Answering calls

Call Bar ON

New call (Caller ID only)

`H/set 1` Cordless Handset Name
(e.g., Cordless Handset 1)

SMS mail (text messages) indication

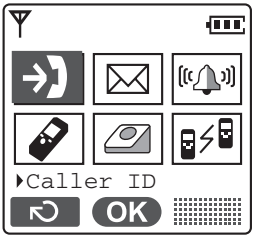
Voice Mail

`IN USE` The line is being used by another unit.

Main Menu Display

To go to the **Main Menu**, press **JOYSTICK** directly in the centre (or move) while in the standby mode display. The selected menu icon is turned over, and its title is displayed.

Example: "`Caller ID`" is selected.



"`Caller ID`"

"`SMS`"

"`Ringer Option`"

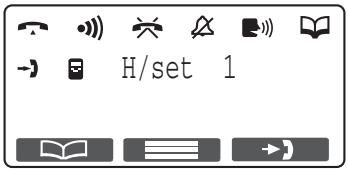
"`Setting Handset`"

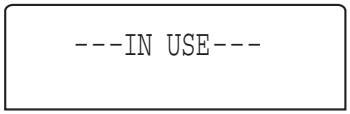
"`Setting Base`"

"`Walkie-Talkie`"

Display

Base Unit Display Icons



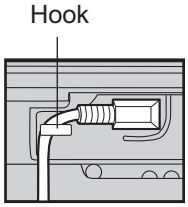


	Intercom/Paging
	Making or Answering calls
	Call Bar ON
	Phonebook Mode
	Ringer Volume OFF
	New call (Caller ID only)
---IN USE---	The line is being used by another unit.
H/set 1	Intercom Mode Cordless Handset Name (e.g., Cordless Handset 1)
	Voice Mail

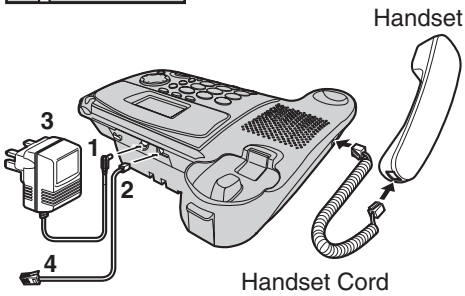
Connection

(For Base Unit)

Plug in the AC adaptor and the telephone line cord in order **1**, **2**, **3**, **4**.
The cords can be hidden from view when using the base unit on a desktop by tucking them under the wall mounting adaptor (p. 102, 103).



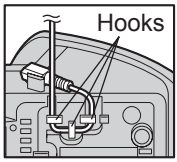
Fasten the AC adaptor cord to prevent it from being disconnected.



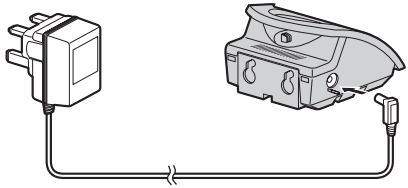
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- Never install telephone wiring during a lightning storm.
- USE ONLY WITH Panasonic AC ADAPTOR PQLV19E.

(For Charger Unit)

The batteries must be fully charged before initial use of the cordless handset.



Fasten the AC adaptor cord to prevent it from being disconnected.

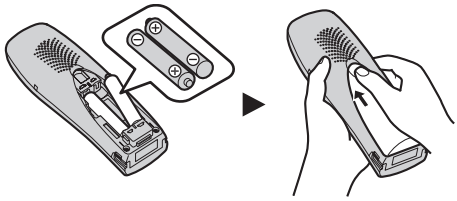


- The AC adaptor must remain connected at all times (It is normal for the adaptor to feel warm during use).
- USE ONLY WITH Panasonic AC ADAPTOR PQLV200E.

Battery Installation

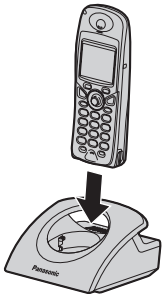
Please ensure the batteries are inserted as shown. ⊖ part should be inserted first.
Close the cover as indicated by the arrow.

- When you replace the batteries, ⊕ part should be removed first.



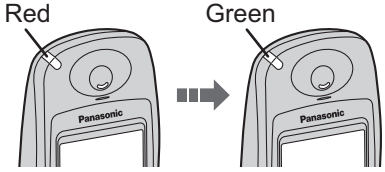
Battery Charge

At the time of shipment, the batteries are not charged. To charge, place the cordless handset on the charger. **Please charge the batteries for about 7 hours before initial use.**



During charging, the charge LED will light as shown below.

During charging **Fully charged**



Display icon	Battery strength
	High
	Medium
	Low
	Needs to be charged

The cordless handset which power is off will be turned on automatically when it is placed on the charger.
The cordless handset will not operate while it is on the charger.
If the handset display flashes when the cordless handset is lifted off the charger, please charge the cordless handset batteries at least 15 minutes.

Battery Information

After your Panasonic battery is fully charged:

Ni-MH Batteries (typical 700 mAh)

Operation	Operating Time
While in use (TALK)	10 hrs approx.
While not in use (Standby)	120 hrs approx.

Ni-Cd Batteries (typical 250 mAh)

Operation	Operating Time
While in use (TALK)	4 hrs approx.
While not in use (Standby)	40 hrs approx.

- Times indicated are for peak performance.
- The battery operating time may be shortened depending on usage conditions and ambient temperature.
- **Clean the charge contacts of the cordless handset and the charger with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- The batteries cannot be overcharged unless they are repeatedly removed and replaced.
- For maximum battery life, it is recommended that the cordless handset not be recharged until the battery icon flashes .

Replacing the Batteries

If the icon flashes after a few telephone calls even when the cordless handset batteries have been fully charged, both batteries must be replaced.

- **Charge new batteries for approximately 7 hours before initial use.**
- **When replacing the batteries, be sure to set up the battery type even if you install the same type of batteries to initialise battery remaining memory of your cordless handset. (See Setting the Battery Type on page 75.)**
- **Do not use non-rechargeable batteries. If non-rechargeable batteries are installed and start charging, battery electrolyte may leak from the unit.**
- Open the battery cover by pressing down firmly on the notch and sliding it as indicated by the arrow below.

Replace both batteries (p. 15) and close the cover. Charge the cordless handset for about 7 hours.
Please use Panasonic AAA type rechargeable batteries.

Setting up

Power ON/OFF

Power ON

Press and hold **POWER**.

➧ When **POWER** is released, the display changes to the standby mode.

Power OFF

Press and hold **POWER**.

➧ The display goes blank.

Selecting the Display Language

You can select one of 19 languages on the cordless handset and the base unit separately. The factory preset is English.

Selecting the Display Language on the Cordless Handset

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select " `Setting Handset`".

3 Select "`Display Option`".

4 Select "`Select Language`".

5 Select the desired language.

- If you set a language you cannot read, reset the display language to your desired language.

  Press ➧ Press ➧ Move ➧ Press ➧ Move four times ➧ Press ➧ Move twice ➧ Press ➧ Select the desired language ➧ Press .

◆Selecting the Display Language on the Base Unit

To exit the operation, press (C) at any time.

1 Press **MIDDLE SOFT KEY**.

2 Select "Select Language".

3 Select the desired language.

- If you set a language you cannot read, reset the display language to your desired language.

  Press ➧ Press (DOWN) twice ➧ Press ➧

  Select the desired language ➧ Press .

Setting the Date and Time

After a mains power failure, the clock needs to be set. Ensure that the icon is not flashing. After the date and time are set, the base unit display also shows the date and time. This feature can be operated with the cordless handset only.

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Set Date/Time".

4 Enter the date (see below).

5 Enter the time (see below).

6 Press **JOYSTICK**.

Example: To set 16 February, 2003, 7:15 pm

Date			Time		
Day	Month	Year	Hour	Minute	12/24 hour clock
1 6	0 2	0 3	0 7	1 5	12/24 12/24

Selecting 12/24 Hour Clock

Press **RIGHT SOFT KEY** repeatedly.

24 hour clock → 12 hour clock (AM) → 12 hour clock (PM) → 24 hour clock

Making a Call

Pre-Dialling

1 Enter Phone Number.

2 Press **TALK**.

Post-Dialling

1 Press **TALK**.

2 Enter Phone Number.

- If you need to make a correction while entering the phone number when using **Pre-Dialling**, press C. The digit is cleared to the left, then you can enter new digits. All digits are cleared if you press and hold C.
- You can also press to make a call.

Pre-Dialling

1 Enter Phone Number.

2 Lift the handset.

Post-Dialling

1 Lift the handset.

2 Enter Phone Number.

- If you need to make a correction while entering the phone number when using **Pre-Dialling**, press C. The digit is cleared to the left, then you can enter new digits. All digits are cleared if you press and hold C.
- You can also press to make a call.

Answering a Call

Answering a Call

Press **TALK**.

Terminating a Call

(During a call) ➧ Press **TALK OFF**.

- You can also answer a call by pressing 0 to 9, *, #, ↵ or INT (**Any Key Talk**).

Answering a Call

➧ Lift the handset or press ↵.

Terminating a Call

(During a call) ➧ To hang up, place the handset on the cradle or press ↵.

- You can also answer a call by pressing •)) .

Auto Talk

If you set **Auto Talk** to ON, you can answer a call by lifting the cordless handset off the charger. (See **Setting Auto Talk ON/OFF** on page 75.)

Receiver (or Headset Receiver)/Speaker Volume

The choices for the receiver (or headset receiver) volume are 3 levels, and 6 levels for the speakerphone volume.

(During a call) ➧ To increase volume, move the **JOYSTICK** up.
To decrease volume, move the **JOYSTICK** down.

- The factory preset is medium (receiver volume) and level 3 (speaker volume).

The choices for the handset receiver volume are 3 levels, and 8 levels for the speakerphone volume.

(During a call) ➧ To increase volume, press **NAVIGATOR KEY** up.
To decrease volume, press **NAVIGATOR KEY** down.

- The factory preset is medium (receiver volume) and level 5 (speaker volume).

Have a Hands-Free Phone Conversation (using Digital Speakerphone)

Speakerphone allows you to talk to your caller without holding the cordless handset and allows other persons in the room to listen to the conversation.

(During a call) ➧ Press **SPEAKERPHONE**.

Returning to Receiver

Press **TALK**.

- For best performance, please note the following:
- Talk alternately with the caller in a quiet environment.
- If either party has difficulty hearing, move the **JOYSTICK** up or down for the cordless handset to change the volume accordingly. The choices for the speakerphone volume are 6 levels.

Speakerphone allows you to talk to your caller without holding the handset and allows other persons in the room to listen to the conversation.

(Receiving a call) ➧ Press **SPEAKERPHONE**.

- For best performance, please note the following:
- Talk alternately with the caller in a quiet environment.
- If either party has difficulty hearing, press **NAVIGATOR KEY** up or down to change the volume accordingly. The choices for the speakerphone volume are 8 levels for the base unit.

Muting Your Conversation

During a call, you can mute your phone so the other party cannot listen to you. When muting your conversation, you can hear the other party.

Muting

(During a call) ➧ Press **LEFT SOFT KEY**, then icon flashes.

Returning to the Conversation

Press once again.
Icon stops flashing.

Muting

(During a call) ➧ Press **MUTE**.

Returning to the Conversation

Press **MUTE** once again.

Key Lock

You lock the cordless handset dialling buttons. While locked, the buttons cannot be used and therefore calls cannot be made. Incoming calls can be answered while the key lock is ON. When the key lock is ON, the menu icon changes to .

When the key lock is ON, emergency calls (p. 79) cannot be made until key lock is cancelled.

Key Lock ON

(Standby Mode Display) ➧ Press and hold **JOYSTICK** directly for more than 2 seconds.

Key Lock OFF

Press and hold **JOYSTICK** directly for more than 2 seconds once again.

Redialling

The last 10 numbers dialled on the cordless handset and the base unit are automatically stored in each redial list separately.

Dialling with the Redial List

1 Press **RIGHT SOFT KEY**.

2 Search for the desired dialled item.

3 Press **TALK**.

- If there are no items stored in the redial list when is pressed, the handset display shows "`Memory Empty`".
- When scrolling reaches the end of the list, an end tone will sound.
- You can also press (TALK) to make a call.
- To save the numbers from the redial list into the handset phonebook, or to edit or delete from memory, see pages 34 and 35.

Dialling the Last Number Dialled

1 Press **TALK**.

2 Press **RIGHT SOFT KEY**.

Auto Redial

If you press (TALK) then to redial a number and the dialled number is engaged, the unit will automatically redial the number every 40 seconds, up to 12 times. When using Auto Redial, press after pressing if the muting has not been cancelled.

◆Dialling with the Redial List

1 Press **REDIAL**.	***2*** Search for the desired dialled item.	***3*** Lift the handset.

- If there are no items stored in the redial list when (○●) is pressed, the base unit display shows "Memory Empty".
- When scrolling reaches the end of the list, an end tone will sound.
- You can also press (🔊) to make a call.
- To edit or delete from memory, see page 85.

◆Dialling the Last Number Dialled

1 Lift the handset.	***2*** Press **REDIAL**.

Auto Redial

If you press (🔊) then (○●) to redial a number and the dialled number is engaged, the unit will automatically redial the number every 40 seconds, up to 12 times. When using Auto Redial, press (🔇) after pressing (○●) if the muting has not been cancelled.

◆◆Recall Feature

RECALL (R) (on the cordless handset) or (R) (on the base unit) is used to access special telephone services. Contact your Network provider for details. If your unit is connected to a PBX, pressing (R) (on the cordless handset) or (R) (on the base unit) allows you to access certain features of your host PBX, such as transferring an extension call.

◆◆Voice Mail

Voice Mail is a service of your Network provider and will only operate if you have subscribed to this service. After subscription, 📩 will be displayed on the cordless handset and the base unit to indicate you have a message waiting. Please consult your Network provider for details of this service.

- If 📩 still remains on the display even after you have listened to new messages, turn it off by moving the **JOYSTICK** left (cordless handset) for 2 seconds.

Temporary Tone Dialling (for Rotary or Pulse service users)

The dialling mode is switched to tone. You can enter numbers for dialling which require tone dialling, e.g. electronic banking service.

Before entering access numbers.	➧	Press A→a ✱.

Before entering access numbers.	➧	Press ✱.

- When you hang up, the mode will return to pulse.

Dialling Pause (for PBX line/long distance service users)

A dialling pause can be entered when a pause in the dialling of a phone number is necessary when using a PBX or accessing a long distance service.
For example, if using the unit with a PBX and a line access number (0, in this example must be dialled before the telephone number:

1	2	3	4
Press **0**.	Press **RIGHT SOFT KEY**.	Enter Phone Number.	Press **TALK**.
0	P		

1	2	3	4
Press **0**.	Press **RIGHT SOFT KEY**.	Enter Phone Number.	Lift the handset.
0	P		

- You can also press (for cordless handset) or (for base unit) to make a call.
- Entering a pause can prevent misdialling when you redial or dial a stored number.
- Pressing **RIGHT SOFT KEY** more than once increases the length of the pause between numbers.
- To change the pause time, see page 79.

Call Waiting

Call Waiting is a service of your Network provider and will operate only if you have subscribed to this service. If you subscribe to Call Waiting, a tone will notify you when another person calls you while you are already talking on the phone. You can answer the second call, keeping the first call on hold.

(Call waiting tone sounds during a call)	➧	Press **RECALL**. (R)	➧	The first call is put on hold and the second call is answered.

Returning to the First Caller

Press **RECALL** once again. (R)

(Call waiting tone sounds during a call)	➧	Press **RECALL**. (R)	➧	The first call is put on hold and the second call is answered.

Returning to the First Caller

Press **RECALL** once again. (R)

- If you subscribe to both Caller ID and Call Waiting, the units will display the second caller's phone number when you hear the call waiting tone. If the phone number of the second caller is stored in the unit's phonebook along with a name, the caller's name will be displayed.
- If the phone number is stored in the base unit phonebook with its name, the caller's name will also be displayed.
- Please consult your Network provider for details of this service.

Caller ID Service

Caller ID is a service of your Network provider and will operate only if you have subscribed to this service.

After subscribing to Caller ID, this phone can display the phone number of the caller when you receive a call. If the telephone number received by Caller ID is stored in the unit's phonebook along with a name, the caller's name will be displayed.

The last 50 callers' phone numbers are stored in the order the calls were received. When the 51st call is received, the oldest caller information is cleared. If the caller's name has been stored with the number in the phonebook (see **Storing Caller Information** in the phonebook on page 37, 38), the caller's name will also be displayed.

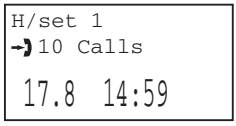
If your unit is connected to a PBX or a telephone line that does not support this service, you will not be able to use it.

When new calls have been received, the display shows the number of calls.

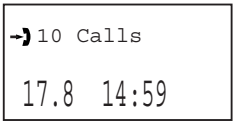
In the example below, 10 new calls have been received.

Please see Caller ID List (p. 83) for base unit operation.

Standby Mode Display



Standby Mode Display



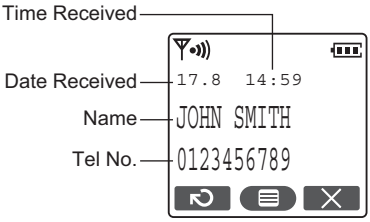
Making a Call from the Caller ID List

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Caller ID".

3 The newest caller information is displayed.



4 Search for the desired item.

5 Press **TALK**.

- You can also press to make a call.
- "√" indicates you have already viewed this caller information, or answered the call. It also indicates the other registered unit user has already viewed this caller information, or answered the call.
- If the caller has requested not to display his/her information, the display shows "Private Caller".
- If the caller dialled from an area which does not provide Caller ID service, the display shows "Out of Area".
- When scrolling reaches the end of the list, an end tone will sound.

List Menu

Caller ID List Menu

You can save the numbers from the Caller ID list into the handset phonebook, and you can edit (for calling) or delete item(s) in the Caller ID List.
To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Caller ID".

3 Select the desired item.

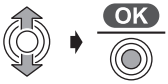
Go to step **4**.

- When scrolling reaches the end of the list, an end tone will sound.
- If there are no items stored in the caller list when "Caller ID" is selected, the handset display shows "Memory Empty".

Storing a Number in the Handset Phonebook

Follow steps **1** to **3** shown above, then:

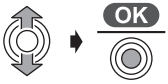
4 Select "Save Phonebook".



5 Enter Name (p. 39), then press OK.
(max. 16 characters)
If required, edit phone number. (max. 24 digits)

6 Press **JOYSTICK**.

7 Select the desired category or "Off" (p. 36).



8 Select "Save", then "Saved" is displayed.

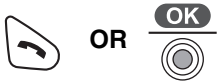
◆Editing the Received Number for Calling

Follow steps **1** to **3** on the previous page, then:

4 Select "Edit for Call".

5 Edit Phone Number. (max. 24 digits)

6 Press **TALK** or **JOYSTICK** to call.



- You can also press (speaker) to make a call.

◆Deleting One/All Caller ID Item(s)

Follow steps **1** to **3** on the previous page, then:

4 Select "Delete" or "Delete All".

5 Select "Yes", then "Deleted" is displayed.

List Menu

Redial List Menu

You can save numbers from the redial list into the handset phonebook, and you can edit (for calling) or delete item(s) in the redial list.
To exit the operation, press at any time.

1 Press **RIGHT SOFT KEY**.

2 Select the desired item.

Go to step **3**.

- If there are no items stored in the redial list when is pressed, the handset display shows "Memory Empty".

Storing the Number in the Handset Phonebook

Follow steps **1** and **2** shown above, then:

3 Select "Save Phonebook".

4 Enter Name (p. 39). (max. 16 characters)

5 Press **JOYSTICK** twice.

twice

6 Select the desired category or "Off" (p. 36).

7 Select "Save", then "Saved" is displayed.

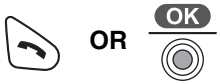
◆Editing the Dialled Number for Calling

Follow steps **1** and **2** on the previous page, then:

3 Select "`Edit for Call`".

4 Edit Phone Number. (max. 24 digits)

5 Press **TALK** or **JOYSTICK** to call.



- You can also press (speaker) to make a call.

◆Deleting One/All Redial Item(s)

Follow steps **1** and **2** on the previous page, then:

3 Select "`Delete`" or "`Delete All`".

4 Select "`Yes`", then "`Deleted`" is displayed.

Using the Phonebook

You can store up to 200 caller information in the handset phonebook and up to 20 caller information in the base unit phonebook. If you subscribed to Caller ID and you received a call from the same phone number you stored with name in each phonebook, the display will show the caller's name.
When same phone number has been registered to the handset and the base unit phonebook with different names, each display will show each registered caller's name.

Private Category Feature

You can categorise caller information in the handset phonebook. There are 9 categories available. For example, category 1 can be used to save all friends numbers. For each category, you can rewrite the category names (max. 10 characters: see **Changing the Private Category Name** on page 72), you can select one of 3 Ringer LED colours (see **Setting the Private Colour** on page 72) and one of 15 ringer types (see **Ringer Options** on page 69).
This feature is available only after subscription to Caller ID Service. Please contact your Network provider for further information.
Example

Private Category No.	Ringer LED Colour*			Private Ringer Type	Category Name
	Green	Orange	Red		
1		✓		3	Friends
3			✓	2	Customers

* The factory preset LED colour is green.

- The unit will indicate an incoming call using the factory preset LED colour (green) and the ringer pattern assigned to external calls (p. 70) momentarily until Caller ID information is received from the Network provider.

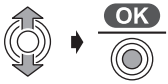
Storing Caller Information in the Handset Phonebook

To exit the operation, press at any time.

1 Press **LEFT SOFT KEY**.

2 Press **JOYSTICK**.

3 Select "H/set Phonebook".



4 Enter Name. (p. 39) (max. 16 characters)

5 Press **JOYSTICK**.

6 Enter Phone Number. (max. 24 digits)

7 Press **JOYSTICK**.

8 Select the desired category or "Off".

9 Select "Save", then "Saved" is displayed.

- If "Memory Full" is displayed when you select "H/set Phonebook", the handset phonebook is full. To store, delete other stored items in the handset phonebook.
- To continue storing other caller information, repeat from step **4**.

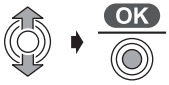
Storing Caller Information in the Base Unit Phonebook

This feature can be operated with the cordless handset only.
To exit the operation, press at any time.

1 Press **LEFT SOFT KEY**.

2 Press **JOYSTICK**.

3 Select "Base Phonebook".



4 Enter Name. (p. 39)
(max. 16 characters)

5 Press **JOYSTICK**.

6 Enter Phone Number.
(max. 24 digits)

7 Press **JOYSTICK**.

8 Select "Save", then "Saved" is displayed.

- If "Memory Full" is displayed when you select "Base Phonebook", the base unit phonebook is full. To store, delete other stored items in the base unit phonebook.
- To continue storing other caller information, repeat from step **4**.

Entering Names/Characters

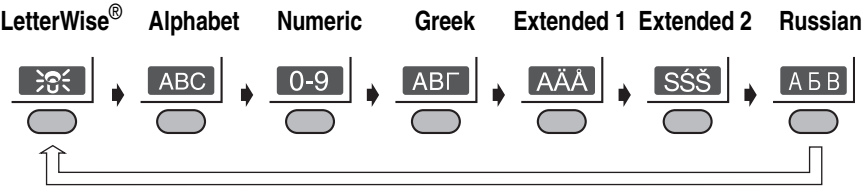
Keys	Operations
	Move the **JOYSTICK** up, down, left or right to move the cursor (a flashing digit).
0 to 9 WXYZ	Press to enter letters/numbers. (Items are added to the left of the cursor. If the cursor is at the beginning of a line, the item is added at the beginning.)
C	Press to delete characters. (Character on the cursor is deleted. To delete all characters, press and hold.)
A→a ✱	Press to change between upper and lower case.
0	Press to insert a blank space (except when in Numeric input mode).
1	Press to insert a symbol (✱ , #, /, etc.) (except when in Numeric input mode).

Selecting the Input Mode

You can select one of 7 input modes by pressing **RIGHT SOFT KEY** while entering a name. The function icon above the key displays the current input mode. The factory preset is "**LetterWise®**". **LetterWise®** is a simplified text entry system. This system suggests to the user the most likely letter to follow the text entered previously. To enter texts in this mode, see page 53.

For the full character map, see **Phonebook Character Table** (p. 111).

To switch the input mode while editing the name in the phonebook, press **RIGHT SOFT KEY**.



- If **LetterWise®** is selected, select a language you require (p. 75).

Example (Alphabet Mode)

Enter the name using the letters on the keypad. For example, to enter "Anne" in Alphabet Mode:

Using the Phonebook

◆◆Finding Items in the Handset/Base Unit Phonebook

All phonebook items are stored in the following order: Alphabet letter/Symbol/Number/ Telephone Number (when a name is not stored).
To exit the operation, press ⏻ at any time.

(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.

2 Move the **JOYSTICK** up or down to search for the desired item.

(For Base Unit Phonebook)
Please see page 86 for the operation performed with the base unit.

1 Press **LEFT SOFT KEY** twice.

twice

2 Move the **JOYSTICK** up or down to search for the desired item.

◆Searching for a Name by Initial

Example: To find "Felix"

(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.

OR

2 Press **3** repeatedly until the first item under "F" is displayed.

(For Base Unit Phonebook)

1 Press **LEFT SOFT KEY** twice.

twice

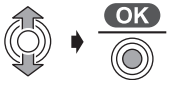
3 Move the **JOYSTICK** down until "Felix" is displayed.

◆Searching by Private Category (For Handset Phonebook only)

1 Press **LEFT SOFT KEY**.

2 Press **RIGHT SOFT KEY**.

3 Select "Category".



4 Select the desired category.

5 Select the desired item to display.

◆Searching by Index Search Mode

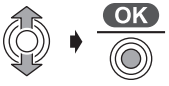
Example: To find "ΣΟΦΙΑ" (SOPHIA).

(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.

2 Press **RIGHT SOFT KEY**.

3 Select "Index Search".



4 Press **RIGHT SOFT KEY** repeatedly until the desired input mode (Greek) appears.

5 Select the desired initial character "Σ".

6 Move the **JOYSTICK** down until "ΣΟΦΙΑ" is displayed.

(For Base Unit Phonebook)

1 Press **LEFT SOFT KEY** twice.

twice

2 Press **RIGHT SOFT KEY**.

3 Press **RIGHT SOFT KEY** repeatedly until the desired input mode (Greek) appears.

4 Select the desired initial character "Σ".

5 Move the **JOYSTICK** down until "ΣΟΦΙΑ" is displayed.

Dialling from the Handset/Base Unit Phonebook

(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.

2 Select the desired item (see pages 40 and 41).

3 Press **TALK** or **SPEAKERPHONE**.

OR

(For Base Unit Phonebook)

Please see page 86 for the operation performed with the base unit.

1 Press **LEFT SOFT KEY** twice.

twice

2 Select the desired item (see pages 40 and 41).

3 Press **TALK** or **SPEAKERPHONE**.

OR

Editing Caller Information in the Handset/Base Unit Phonebook

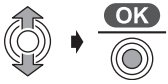
This feature can be operated with the cordless handset only.
To exit the operation, press (i) at any time.

(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.

2 Select the desired item.

3 Select "Edit".



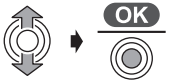
4 Edit Name. (max. 16 characters)

5 Press **JOYSTICK**.

6 Edit Phone Number. (max. 24 digits)

7 Press **JOYSTICK**.

8 Select the desired category or "Off".



9 Select "Save", then "Saved" is displayed.

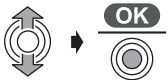
(For Base Unit Phonebook)

1 Press **LEFT SOFT KEY** twice.

twice

2 Select the desired item.

3 Select "Edit".



4 Edit Name. (max. 16 characters)

5 Press **JOYSTICK**.

6 Edit Phone Number. (max. 24 digits)

7 Press **JOYSTICK**.

8 Select "Save", then "Saved" is displayed.

- To continue editing other caller information, repeat from step **2**.

Deleting Caller Information in the Handset/Base Unit Phonebook

This feature can be operated with the cordless handset only.
To exit the operation, press at any time.

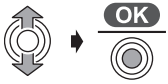
(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.

2 Select the desired item.

3 Select "Delete".

4 Select "Yes", then "Deleted" is displayed.

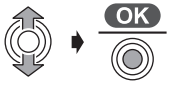


(For Base Unit Phonebook)

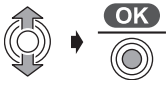
1 Press **LEFT SOFT KEY** twice.

2 Select the desired item.

3 Select "Delete".



4 Select "Yes", then "Deleted" is displayed.



- To continue deleting other caller information, repeat from step **2**.
- If there are no items stored in the handset/base unit phonebook when selecting the desired item, the display shows "Memory Empty".

Hot Keys

You can assign the dialling buttons 1 through 9 as hot keys. You can choose 9 phone numbers from the handset phonebook.

To exit the operation, press the power button at any time.

Registering a Phone Number as a Hot Key

1 Press **LEFT SOFT KEY**.

2 Select the desired item.

3 Select "Reg. to Hot Key".

4 Select the desired dialling button number.

5 Select "Save", then "Saved" is displayed.

- If there are no items stored in the handset phonebook when searching for the desired item, the handset display shows "Memory Empty".
- If an item is already stored to a hot key, "✓" will be displayed on the left of the key number. If a hot key number with "✓" is selected, press OK to select "Overwrite".

Dialling with a Hot Key

1 Press and hold the dialling button registered as a hot key until a phone number is displayed.

2 Press **TALK** or **SPEAKERPHONE**.

OR

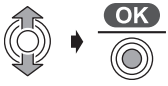
Deleting the Hot Key Registration

1 Press and hold the dialling button registered as a hot key until a phone number is displayed.

2 Press **JOYSTICK**.

3 Select "Delete".

4 Select "Yes", then "Deleted" is displayed.

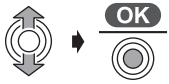


- Handset phonebook registration will not be erased when hot key registration is deleted.

Phonebook Copy

You can copy handset phonebook information between cordless handsets registered to the same base unit. The handset phonebook copy must be performed while in intercom mode (see **Intercom Between Registered Units** on page 93).
To exit the operation, press at any time.

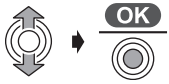
Example: Copying a Handset Phonebook Item to Another Handset Phonebook

	<Cordless Handset 1: Receiver>	<Cordless Handset 2: Sender>
	(During an intercom call)	(During an intercom call)
1	Press **JOYSTICK**. 	
2	Select "Recv Phonebook". "Start Copying" is displayed. 	
3		Press **JOYSTICK**.
4		Select "Send Phonebook".
5		Select the desired item to copy. 
6		Select "Copy One Item", then "Start Copying" is displayed.

◆Example: Copying All Handset Phonebook Items to Another Handset Phonebook

To exit the operation, press at any time.

Follow steps **1** to **4** on the previous page, then:

	<Cordless Handset 1: Receiver>	<Cordless Handset 2: Sender>
5		Press **JOYSTICK**.
6		Select "Copy All Items", then "Start Copying" is displayed. 

- When copying is completed, a beep sounds and "Copy Complete" is displayed. After a few seconds, the handset display will return to the intercom call. "Copy Incomplete" will be displayed on the sender handset if the receiver handset memory is full. If "Copy Failure" is displayed on the sender handset, the receiver did not prepare for copying.
- If you move the **JOYSTICK** up or down before pressing **JOYSTICK** on step **5**, all items will not be copied. The items, from the item indicated now to the last item, are copied.

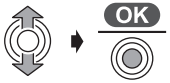
◆Example: Copying a Handset Phonebook Item to the Base Unit Phonebook

1 Press **INTERCOM**.

2 Press **JOYSTICK**.

3 Select "Copy to Base".

4 Select the desired item.



- If "Memory Full" is displayed when you select "Copy to Base", the base unit phonebook is full.
- Items in the handset phonebook can be copied one at a time.

SMS Feature (Text Message)

All SMS features must be accessed with the cordless handset. The base unit display does not show any text message. It shows only "Receiving New SMS" when a message is being received, and "Transferring Message" when a message is being transferred.

You can send and receive text messages between other fixed and mobile phones that also support a compatible SMS feature and network. However, Chinese text messages are not available. You can also choose to send your message to a Phone, Fax or E-mail Address. If you send a message to a Fax or E-mail address, see **Writing and Sending New Messages to a Fax** (p. 54) or **Writing and Sending New Messages to an E-mail Address** (p. 55).

The SMS feature is available only after subscribing to Caller ID.

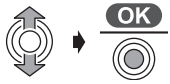
◆◆ Writing and Sending New Messages to a Phone

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "✉ SMS".

3 Select "Create".



4 Enter Message. (p. 52)

5 Press **JOYSTICK**, then "Destination" is displayed.

Go to step **6**.

◆ Entering a Number Manually

Follow steps **1** to **5** shown above, then:

6 Enter Phone Number. (max. 20 digits)

Press **JOYSTICK**.

Go to step **7** on page 50.

◆Entering a Number from the Handset Phonebook

You cannot select items stored in the base unit phonebook.

Follow steps **1** to **5** on the previous page, then:

6 Press **LEFT SOFT KEY**.

Select the desired item (see pages 40 and 41).

twice

Go to step **7** on the next page.

- You cannot select items stored in the base unit phonebook.

◆Entering a Number from the Caller ID List

Follow steps **1** to **5** on the previous page, then:

6 Select the desired item.

twice

Go to step **7** on the next page.

◆Entering a Number from the Redial List

Follow steps **1** to **5** on the previous page, then:

6 Press **RIGHT SOFT KEY**.

Select the desired item.

twice

Go to step **7** on the next page.

SMS Feature (Text Message)

Follow steps **1** to **6** on pages 48 and 49, then:

7 "Save?" is displayed, then select "Yes" or "No".
(If "Yes" is selected, "Saved Message" is displayed.)

8 Select "Send".

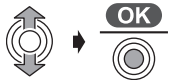
- Before you send a message, you can choose to send the message to a specific base unit telephone (if the receiver has more than one base unit telephone connected to the same line) and also to send a private message to a specific person. You can also request a receipt that your message has been sent. For details, see page 51.
- "Sending Message" is displayed after step **8**. The display returns to the standby mode, then "Transferring Message" is displayed.
- If the base unit does not have sufficient memory to send a message, the display will show "SMS lists are memory full. Delete messages.". The unit will then return to the function menu.
- Once you have created an SMS message, the unit will display "▲Use Last Text?" each time you select "Create". If you want to use the text of the last message sent once again, move the **JOYSTICK** up to recall the last message.
- If you try to send a message using a phone number (Destination) over 20 digits long from one of the Phonebook, Caller ID or Redial lists, "Invalid Number" is displayed and the display returns to "<Enter Phone No>".
- The maximum message length is 640 characters. Please consult your SMS service provider for further details.
- 69 messages can be memorized when you enter 80 characters/1 message. The maximum number of memorized messages depends on the length of each message.
- If your phone is connected to a PBX (Private Branch eXchange: private branch exchange), see page 64 to enter the destination number.
- After step **7**, you can send a message to a Terminal number and specific person or request a receipt that your message has been sent, see next page.

◆Sending Your Message to a Terminal Number

This feature is subject to the network service. Please contact your Network provider. If the receiver has more than one base unit telephone connected to the same line, you can choose what base unit telephone receives your message by selecting a Terminal number. If the receiver has only one base unit telephone, there is no requirement to carry out this operation.

Follow steps **1** to **7** on pages 48, 49 and 50, then:

8 Select "Terminal No.".



9 **Terminal Number**
Enter Terminal number (1-9).

10 Press **JOYSTICK**.

11 Select "Send".

◆Sending Your Message to a Public Key

This feature is only available when the other party has a Panasonic SMS-compatible fixed line telephone, or an SMS-compatible fixed line telephone from another manufacturer which features Public Keys. You can send a private message to a specific person.

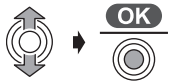
Follow steps **1** to **7** on pages 48, 49 and 50, then:

8 Select "Public Key".

9 **Public Key Name**
Enter Public Key name. (max. 5 characters)

10 Press **JOYSTICK**.

11 Select "Send".



◆Requesting a Receipt for Your Sent Message

This feature is subject to the network service. Please contact your Network provider. You can request a receipt that your message has been sent from SMS service provider.

Follow steps **1** to **7** on pages 48, 49 and 50, then:

8 Select "Receipt".

9 Select "YES" or "NO".

10 Select "Send".

- You can choose a Terminal number, Public Key and receipt all before sending your message.
- Press dialling button (1) through (9WXYZ) to enter the Terminal number.
- After you select "Send", "Sending Message" is displayed. The display returns to the standby mode, then "Transferring Message" is displayed.

SMS Feature (Text Message)

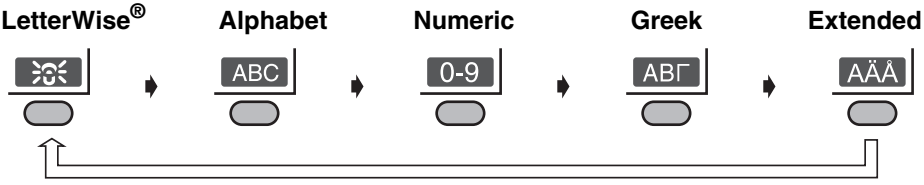
Text Entry

Keys	Operations
	Move the **JOYSTICK** up, down, left or right to move the cursor.
0 to 9 WXYZ	Press to enter letters/numbers. (Items are added to the left of the cursor. If the cursor is at the beginning of a line, the item is added at the beginning.)
C	Press to delete characters. (Character on the cursor is deleted. To delete all characters, press and hold.)
A→a ✳	Press to switch between upper and lower case.
0	Press to insert a blank space (except when in Numeric input mode).
1	Press to insert symbol (✳ , #, /, etc.) (except when in Numeric input mode).

Selecting the Input Mode

There are 5 text input modes: **LetterWise®** (default mode), Alphabet (ABC), Numeric (0-9), Greek (АВГ) and Extended (AÄÅ). The function icon above the key displays the current input mode. For the full character map, see **SMS Character Table** (p. 112).

To change the input mode while inputting a message, press **RIGHT SOFT KEY**.



- If **LetterWise®** (see next page) is selected, select a language you require (p. 75).

Entering Text in LetterWise® Mode

LetterWise® is the default input mode. **LetterWise®** is a simplified text entry system. This system suggests to the user the most likely letter to follow the text entered previously.

Inserting Operations
Enter letters by pressing (ABC2) - (WXYZ9).
If the letter displayed is not correct, change the letter by pressing (#) (possibly several times).
Continue writing the word always checking that the letters displayed are correct and change them if necessary.
To insert symbols, use (1). If the symbol you want does not appear, press (#) repeatedly until the required symbol appears.

Example (When the language choice is English.): To enter "hello".

1 Press (A→a*) to change to the lower case letter.	<Enter Message>
2 Press (GHI4). "i" is the most frequent first letter of a word.	i
3 Press (#) to display the next candidate letter. "h" is the second most frequent letter.	h
4 Press (DEF3). "e" is the most frequent letter.	he
5 Press (JKL5). "l" is the most frequent letter.	hel
6 Press (JKL5). "l" is the most frequent letter.	hell
7 Press (MNO6). "o" is the most frequent letter.	hello

Writing and Sending New Messages to a Fax

Follow steps **1** to **5** on page 48, then:

6 Press **JOYSTICK**.

7 Select "Fax Number".

8 **Fax Number**
Enter Fax number.
(max. 20 digits)

9 Press **JOYSTICK**.

10 **Fax Header**
Enter a Fax header if required.
(max. 255 characters)

11 Press **JOYSTICK**.

12 "Save?" is displayed, then select "Yes" or "No".
(If "Yes" is selected, "Saved Message" is displayed.)

13 Select "Send".

- After you select "Send", the display returns to the standby mode, then "Transferring Message" is displayed.

Writing and Sending New Messages to an E-mail Address

This feature is subject to the network service.
Please contact your network provider.

Follow steps **1** to **5** on page 48, then:

6 Press **JOYSTICK**.

7 Select "E-Mail Address".

8 **E-Mail Address**
Enter E-Mail address. (max. 256 characters)

9 Press **JOYSTICK**.

10 "Save?" is displayed, then select "Yes" or "No". (If "Yes" is selected, "Saved Message" is displayed.)

11 Select "Send".

- After you select "Send", the display returns to the standby mode, then "Transferring Message" is displayed.

Reading/Displaying Messages in the Outgoing List

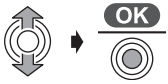
You can display saved messages in date/time order.
To exit the operation, press ⏻ at any time.

Reading/Displaying Messages

1 Press **JOYSTICK** (or move).

2 Select "✉ SMS".

3 Select "Send List".



4 Select the desired message.

5 Scroll through the message to read/display.

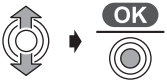
6 Press **JOYSTICK**.

Go to step **7**.

Sending a Message

Follow steps **1** to **6** shown above, then:

7 Select "Send".



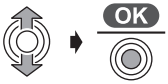
8 When you send to the same destination, press **JOYSTICK** then follow steps from **7** of **Writing and Sending New Messages to a Phone** (p. 50) or from **10** of **Writing and Sending New Messages to a Fax** (p. 54).
OR
Press and hold C then go to step **9**.

9 Follow steps from **6** of **Writing and Sending New Messages to a Phone** (p. 48, 49), or **Writing and Sending New Messages to a Fax** (p. 54) or **Writing and Sending New Messages to an E-mail Address** (p. 55).

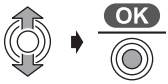
◆Deleting a Message

Follow steps **1** to **6** on the previous page, then:

7 Select "Delete".



8 Select "Yes", then "Deleted" is displayed.



- You can also delete by pressing then selecting "Yes" on step **4**.

◆Editing a Message

Follow steps **1** to **6** on the previous page, then:

7 Select "Edit Message".

8 Edit Message.

9 Press **JOYSTICK**.

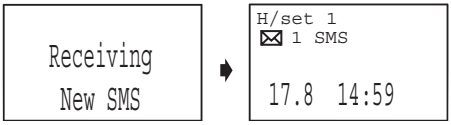
10 When you send to the same destination, press **JOYSTICK** then follow steps from **7** of **Writing and Sending New Messages to a Phone** (p. 50) or from **10** of **Writing and Sending New Messages to a Fax** (p. 54).
OR
Press and hold C then go to step **11**.

11 Follow steps from **6** of **Writing and Sending New Messages to a Phone** (p. 48, 49), or **Writing and Sending New Messages to a Fax** (p. 54) or **Writing and Sending New Messages to an E-mail Address** (p. 55).

◆◆Receiving a Text Message

When a message has been received, cordless handset display will show the following and a tone will sound. A tone will not sound if the ringer volume setting of the cordless handset is OFF. The base unit display will show only "Receiving New SMS".

Example: Handset Display



The number indicates how many mails were received. When the SMS message memory is full, "Full" is displayed. No messages can be received if the memory is full.

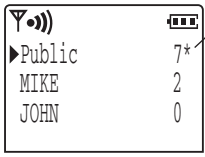
Reading/Displaying Messages in the Incoming List

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "SMS".

3 Select "Receive List".

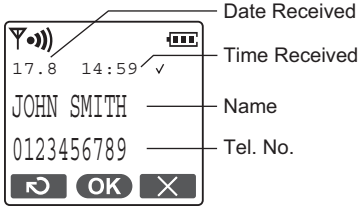


Indicates the Receive List contains at least one new message.

4 Select "Public" or a Public Key name.

5 For "Public", go to the next step.
OR
For a Public Key name, enter its 4-digit password.

6 Move the **JOYSTICK** down.
- The most recent sender's details are displayed.
- If the name and number have been stored in the phonebook, the name is also displayed.
- You can delete a message by pressing then selecting "Yes".



Date Received
Time Received
Name
Tel. No.

7 Select the desired message.

8 Scroll through the message to read/display.

Go to step **9** on pages 59 and 60.

- If there is a "✓" icon placed against the time, this means the message has been read or displayed previously.
  It also indicates the other registered cordless handset user have already viewed the message.
- If the list is accessed and no messages have been received, "Receive List Memory Empty" is displayed.
- If the base unit does not have sufficient memory to receive a message, the display will show "SMS lists are memory full. Delete messages.".

◆Replying to a Message

Follow steps **1** to **8** on the previous page, then:

9 Press **JOYSTICK**.

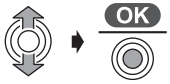
10 Select "Reply".

11 Enter Message.

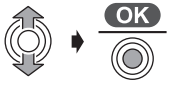
12 Press **JOYSTICK** twice.

twice

13 "Save?" is displayed, then select "Yes" or "No". (If "Yes" is selected, "Saved Message" is displayed.)



14 Select "Send".



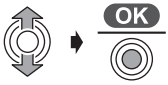
- "Sending Message" is displayed after step **14**. The display returns to the standby mode, then "Transferring Message" is displayed.
- If the base unit does not have sufficient memory to send a message, the display will show "SMS lists are memory full. Delete messages.".
- After step **13**, you can send a message to a Terminal number and a specific person or request a receipt that your message has been sent, see page 51.

◆Deleting a Message

Follow steps **1** to **8** on the previous page, then:

9 Press **JOYSTICK**.

10 Select "Delete".



11 Select "Yes", then "Deleted" is displayed.

SMS Feature (Text Message)

◆Editing a Message

Follow steps **1** to **8** on page 58, then:

9 Press **JOYSTICK**.

10 Select "Edit Message".

11 Edit Message.

12 Press **JOYSTICK**.

13 When you send to the same destination, press **JOYSTICK** then follow steps from **7** of **Writing and Sending New Messages to a Phone** (p. 50) or from **10** of **Writing and Sending New Messages to a Fax** (p. 54).
OR
Press and hold C then go to step **11**.

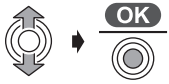
14 Follow steps from **6** of **Writing and Sending New Messages to a Phone** (p. 48, 49), or **Writing and Sending New Messages to a Fax** (p. 54) or **Writing and Sending New Messages to an E-mail Address** (p. 55).

◆Storing the Sender's Phone Number in the Handset Phonebook

Follow steps **1** to **8** on page 58, then:

9 Press **JOYSTICK**.

10 Select "Save Phonebook".



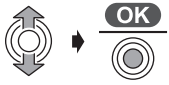
11 Follow steps from **4** to **9** of **Storing Caller Information in the Handset Phonebook** (p. 37).

◆Editing the Sender's Phone Number for Calling

Follow steps **1** to **8** on page 58, then:

9 Press **JOYSTICK**.

10 Select "Edit for Call".



11 Edit Phone Number. (max. 24 digits)

12 Press **JOYSTICK**, **TALK** or **SPEAKERPHONE**.

◆Calling the Message Sender

Follow steps **1** to **5** (or **6**) on page 58, then:

7 Press **TALK** or **SPEAKERPHONE**.

◆Setting the Terminal Number

This feature is subject to the network service. Please contact your Network provider. If you have more than one base unit telephone connected to the same line, you can set your base unit Terminal number.

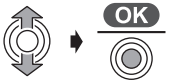
1 Press **JOYSTICK** (or move).

2 Select "✉ SMS".

3 Select "Parameters".

4 Enter 4-digit Base Unit PIN. (Factory preset 0000)

5 Select "Terminal No.".



6 **Terminal Number**
Enter Terminal number (1-9).

7 Press **JOYSTICK**.

8 Select "Save".

- Press dialling button (1) through (WXYZ9) to enter the Terminal number.

◆◆Setting the Public Keys

This feature is only available when the other party has a Panasonic SMS-compatible fixed line telephone, or an SMS-compatible fixed line telephone from another manufacturer which features Public Keys. You can set up to 6 Public Keys and associate passwords with the keys. This allows you to receive private messages that only you can access via a password. The Public Key names can be a maximum of 5 characters. The names are to be defined by yourself and made known to the selected private message senders. The passwords is 4 digits. They are to be defined by yourself and known only to yourself.

1 Press **JOYSTICK** (or move).

2 Select "✉ SMS".

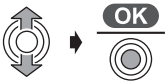
3 Select "Parameters".

4 Enter 4-digit Base Unit PIN. (Factory preset 0000)

Follow steps **1** to **4** shown above, then:

5 Select "Public Key".

6 Select the desired Public Key number (1-6).



7 **Public Key name**
Enter Public Key name. (max. 5 characters)

8 Press **JOYSTICK**.

9 **4-digit Password**
Enter Public Key password.

10 Select "Save".

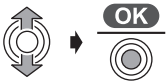
- After you entered a 4-digit password, "Verify Password" will be displayed. Enter the password again.

SMS Feature (Text Message)

◆Changing/Clearing a Public Key

Follow steps **1** to **4** of **Setting the Public Keys** on the previous page, then:

5 Select "`Public Key`".



6 Select the desired Public Key name.

7 Press **JOYSTICK**.

8 **4-digit Password** Enter Public Key password.

9 **<To change a Public Key>**

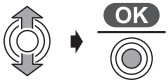
Public Key name Enter new Public Key name. (max. 5 characters) ➧ Press **JOYSTICK**.

➧ **4-digit Password** Enter new Public Key password. ➧ Select "`Save`".

OR

<To clear Public Key>

Press and hold **CLEAR**. ➧ Press **JOYSTICK**. ➧ Select "`Yes`". ➧ "`Deleted`"



- If the Public Key name is changed, all messages related to the old name will be related to the new name. If the Public Key name is cleared, all messages related to the key will also be cleared.
- After you entered 4-digit Public Key password on step **9**, "`Verify Password`" will be displayed. Enter the password again.

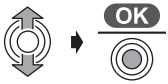
Changing the SMS Service Centre Numbers

To send and receive SMS text messages, you need your SMS Message Centre telephone number.
One number has been preset in your unit.
You can change the pre-set number if required.
To exit the operation, press (i) at any time.

1 Press **JOYSTICK** (or move).

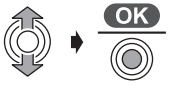
2 Select "✉ SMS".

3 Select "Parameters".



4 Enter 4-digit Base Unit PIN.
(Factory Preset 0000)

5 Select Message Centre 1 or 2.



6 Erase the current number by pressing C, then enter the new Message Centre number.

7 Press **JOYSTICK**.

8 Select "Save", then "Saved" is displayed.

For your reference, this is the number that has been preset in your phone.
Message Centre 1: 24414592
Contact your telephone Operator to check the number is relevant to you.

- If your phone is connected to a PBX, you need to add the PBX line access number (and a dialling pause) to the Message Centre 1 phone number.

SMS Feature (Text Message)

Setting the PBX Line Access Number

This feature is only for the phones connected to a PBX. This allows you to delete automatically the PBX line access number (max. 4 digits) when you enter the destination phone number of an SMS outgoing message from Handset Phonebook, Redial or Caller ID lists.

To exit the operation, press at any time.

Follow steps **1** to **3** on the previous page, then:

4 Enter 4-digit Base Unit PIN.
(Factory Preset 0000)

5 Select "PBX Prefix".

6 Select "On".

7 Enter Line Access Number.
(max. 4 digits)

8 Press **JOYSTICK**.

9 Select "Save", then "Saved" is displayed.

- The factory preset is no entry of line access number.

Turning the SMS Feature ON/OFF

To exit the operation, press at any time.

Follow steps **1** to **3** on the previous page, then:

4 Enter 4-digit Base Unit PIN.
(Factory Preset 0000)

5 Select "SMS On/Off".

6 Select "On" or "Off".

When the SMS feature is turned off;

- If you send a message, a tone sounds and the message will return to the SMS incoming list with "FD" attached.
- If you receive from SMS centre call, the message will not be received but SMS centre phone number will remain in the Caller ID list.

- The factory preset is "On".

Handset Settings Menu Chart

1st Menu	2nd Menu	3rd Menu
Setting Handset	Set Date/Time	
	Memo Alarm	
	Ringer Option	Ringer Volume
		EXT Ringer Type
		INT Ringer Type
		Paging Tone
		Private Ring
	Tone Option	Key Tone
	Display Option	Standby Display
		Talk Display
		Select Language
		Private Colour
		Category Name
	Call Option	Call Bar
		Direct Call No.
		Direct On/Off
	Registration	Register H/set
		Cancel Base
	Select Base	Auto
		Base 1 ⋮ Base 4
	Other Option	Change H/S PIN
		Change H/S Name
		Auto Talk
		LetterWise
		Battery Type
		Reset Handset

Settings Menu Chart

Base Unit Settings Menu Chart

1st Menu	2nd Menu	3rd Menu
Setting Base	Call Option	Dial Mode
		Recall
		Pause Time
		Emergency Call
		Call Restricted
	Cancel Handset	
	Other Option	Change Base PIN
		Reset Base

All Handset Settings must be operated with the cordless handset.

Memo Alarm

Set the date and time before setting the memo alarm (p. 20).

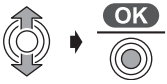
To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Memo Alarm".

4 Select the desired alarm number (1-3).



Go to step **5**.

Setting the Alarm Mode "Once" or "Daily"

Follow steps **1** to **4** shown above, then:

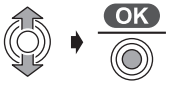
5 Select "Once" or "Daily".

6 "Once": Enter date and time.
"Daily": Enter time.

7 Press **JOYSTICK**.

8 Enter a memo message (p. 39) (max. 32 characters), then press **JOYSTICK**.

9 Select the desired ringer pattern.



10 Select "Save", then "Saved" is displayed.

- When setting the time, remember to select 12 or 24 hour clock (p. 20).
- Memo Alarm volume depends on cordless handset ringer volume. Even if you set ringer to off, only Memo Alarm still rings.
- The factory preset of ringer pattern is 1.
- When in talk or intercom mode, the alarm will not sound until the call is ended.

◆**Setting the Alarm** "Off"

Follow steps **1** to **4** shown on the previous page, then:

5 Select "Off".

6 Select "Save", then "Saved" is displayed.

- The factory preset is "Off".
- To delete the displayed memo alarm, press then select "Yes" on step **4** on the previous page.

◆**Stopping the Alarm**

(The Alarm sounds: Max. 3 minutes) ➧ Press .

- You can also stop the alarm by pressing , , to , , or .
- If "Once" is selected, the setting is turned off after the alarm.

Ringer Options

There are 15 ringer patterns available on each ringer. "Ringer 1" to "Ringer 6" are the bell ringer patterns. "Ringer 7" to "Ringer 15" are the preset melody patterns as shown below. The music data in this product belongs to M-ZoNE Co., Ltd.

To exit the operation, press at any time.

Ringer No.	Ringer Pattern or Name	
1 ~ 6	Bell Patterns	
Ringer Pattern 7 to 15: Preset Melody Patterns		
7	Symphony No.5 in C minor	*
8	Air on G String	
9	Wholetemperiere Clavier 1 Teil No 1 Fuga Das	
10	Fantaisie Impromptu	
11	Allegro Spring/The Four Seasons	
12	Also Sprach Zarathustra	
13	Liebestraum	
14	Polovetsian Dance	
15	24 Caprices	

* © 2003 M-ZoNE Co., Ltd.

- If you select one of the melody ringer patterns, the phone will ring for 10 seconds even if a caller has hung up. Therefore, you may hear a dial tone or no one on the line after you answer a call.

Handset Settings

◆Setting the Ringer Volume

The choices are 6 levels and off. If you set the volume to OFF, "🔕" is displayed, however, the volume of a paging and intercom call is still at level 1.

1 Press **JOYSTICK** (or move).

2 Select "Ringer Option".

3 Select "Ringer Volume".

4 To increase volume, move the **JOYSTICK** up.
To decrease volume, move the **JOYSTICK** down.

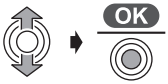
5 Press **JOYSTICK**.

- The factory preset is 6.

◆Selecting the Ringer Pattern for External Call/Internal Call/Paging

Follow steps **1** and **2** shown above, then:

3 Select "EXT Ringer Type", "INT Ringer Type" or "Paging Tone".



4 Select the desired ringer pattern.

- The factory preset is 1.

◆Selecting the Ringer Pattern for Private Ring

Follow steps **1** and **2** shown above, then:

3 Select "Private Ring".

4 Select the desired category.

5 Select the desired ringer pattern.

- The factory preset of each ringer pattern is 1.

Setting the Handset Key Tone ON/OFF

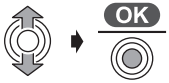
You can turn the key tone ON/OFF.

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Tone Option".



4 Press **JOYSTICK** to select "Key Tone".

5 Select "On" or "Off".

- The factory preset is "On".

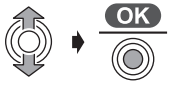
Display Options

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Display Option".



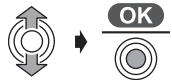
Go to step **4**.

Selecting the Standby Mode Display

Follow steps **1** to **3** shown above, then:

4 Select "Standby Display".

5 Select "Base Number" (p. 92), "Handset Name" (p. 75), "Terminal No." (p. 61) or "Off".



- The factory preset is "Handset Name".

◆Selecting the Talk Mode Display

Follow steps **1** to **3** of **Display Options** on the previous page, then:

4 Select "Talk Display".

5 Select "Talk Time" or "Phone Number".

- Even if you select "Phone Number", the length of the call will appear on your display when you receive calls.
- The factory preset is "Talk Time".

◆Setting the Private Colour

Follow steps **1** to **3** of **Display Options** on the previous page, then:

4 Select "Private Colour".

5 Select the desired category.

6 Select Private Colour "Green", "Red" or "Orange" for each category.

- The factory preset is "Green".
- When you select the private colour on step **6**, the Ringer LED will flash at the selected colour.

◆Changing the Private Category Name

Follow steps **1** to **3** of **Display Options** on the previous page, then:

4 Select "Category Name".

5 Select the desired category.

6 Edit Category Name. (p. 39)
(max. 10 characters)

7 Press **JOYSTICK**.

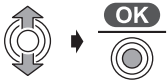
Call Options

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Call Option".



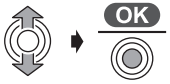
Go to step **4**.

Call Bar ON/OFF

When this feature is set to ON, outgoing calls cannot be made. Intercom calls and calls to numbers assigned as emergency numbers can be made (see **Setting the Emergency Call Numbers** on page 79).

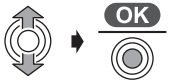
Follow steps **1** to **3** shown above, then:

4 Select "Call Bar".



5 Enter 4-digit Handset PIN. (Factory Preset 0000)

6 Select "On" or "Off".



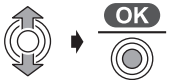
- The factory preset is "Off".
- While the Call Bar mode is turned on, " " is displayed.

Setting the Direct Call Number

After a direct call number has been set and the feature has been turned on, you can dial only the direct call number by pressing or . When this feature is ON, emergency calls cannot be made. However, incoming calls can be answered.

Follow steps **1** to **3** shown above, then:

4 Select "Direct Call No.".

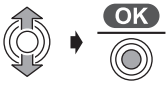


5 Enter Direct Call Number. (max. 24 digits)

6 Press **JOYSTICK**.

7 Select "Save".

8 Select "On".



- While the direct call mode is turned on, " " is displayed.

◆Setting the Direct Call ON/OFF

Follow steps **1** to **3** on the previous page, then:

4 Select "Direct On/Off".

5 Select "On" or "Off".

- The factory preset is "Off".
- If the direct call mode is turned off, " " will disappear.
- If you did not set the Direct Call Number and select "On" in step **5**, "Enter Phone No" will be displayed. Enter the number then press OK twice.

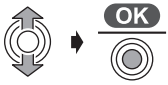
◆◆Other Options

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select " Setting Handset".

3 Select "Other Option".



Go to step **4**.

◆Changing the Handset PIN (Personal Identification Number)

The factory preset is 0000.

Once you have programmed the handset PIN, you cannot confirm it. We recommend you write down the handset PIN. If you forget it, please consult your Panasonic Service Centre. 24065444

Follow steps **1** to **3** shown above, then:

4 Select "Change H/S PIN".

5 Enter current 4-digit Handset PIN.

6 Enter new 4-digit Handset PIN.

7 Enter new 4-digit Handset PIN again to verify.

◆Changing Handset Name

Follow steps **1** to **3** on the previous page, then:

4 Select "Change H/S Name".

5 Edit Handset Name. (max. 10 characters)

6 Press **JOYSTICK**.

◆Setting Auto Talk ON/OFF

Follow steps **1** to **3** on the previous page, then:

4 Select "Auto Talk".

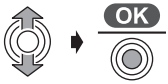
5 Select "On" or "Off".

- The factory preset is "Off".

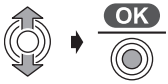
◆Changing the LetterWise® Language

Follow steps **1** to **3** on the previous page, then:

4 Select "LetterWise".



5 Select the desired language.



- The factory preset is "English".

◆Setting the Battery Type

Follow steps **1** to **3** on the previous page, then:

4 Select "Battery Type".

5 Select "Ni-Cd" or "Ni-MH".

- The factory preset is "Ni-MH".
- After you set the battery type, is shown on the handset display.

Handset Settings

◆Resetting the Handset Settings

You can reset all of the handset settings to their initial settings.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Other Option".

4 Select "Reset Handset".

5 Enter 4-digit Handset PIN.
(Factory Preset 0000)

6 Select "Yes", then "Deleted" is displayed.

◆Initial Settings for Cordless Handset

Functions	Initial Settings
Display Language	English
4-Digit Handset PIN	0000
Phonebook List	Remain
Select Base	Automatic Base Unit Selection
Redial Memory	Delete All
Walkie-Talkie Setting	Group
Private Colour	Green
Category Name	Remain
Handset Name	Remain
Date/Time	Remain

- All of the other handset settings are cleared or turned to their factory preset when you reset the handset settings.

Base Unit Settings

Call Options and Other Options of Base Unit Settings must be operated with the cordless handset.

Call Options

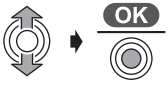
To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Base".

3 Enter 4-digit Base Unit PIN. (Factory Preset 0000)

4 Select "Call Option".



Go to step **5**.

Selecting the Dialling Mode (Tone/Pulse)

You can change the dialling mode to tone or pulse depending upon your network service. If you have a touch tone service, select "Tone". If you have rotary or pulse service, select "Pulse".

Follow steps **1** to **4** of **Call Options** on the previous page, then:

5 Select "Dial Mode".

6 Select "Tone " or "Pulse".

- The factory preset is "Tone".

Selecting the Recall Time

You can select the recall time, 80 ms (milliseconds), 400 ms or 700 ms depending on your PBX requirements.

Follow steps **1** to **4** of **Call Options** on the previous page, then:

5 Select "Recall".

6 Select "Type 1" (700 ms), "Type 2" (400 ms) or "Type 3" (80 ms).

- The factory preset is "Type 2" (400 ms).

◆Selecting the Pause Time

You can select the pause time to 3 or 5 seconds, depending on your PBX requirements.

Follow steps **1** to **4** on the previous page, then:

5 Select "Pause Time".

6 Select "Short" (3 sec.) or "Long" (5 sec.).

- The factory preset is "Short".

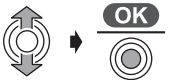
◆Setting the Emergency Call Numbers

Even if cordless handset is in Call Bar Mode, you can make an emergency call.

Follow steps **1** to **4** on the previous page, then:

5 Select "Emergency Call".

6 Select "Emergency Call1" to "Emergency Call5".



7 Enter Emergency Call Number.

8 Press **JOYSTICK**.

- The factory preset is **999**.

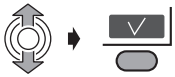
◆Call Restriction

You can restrict selected cordless handset(s) or the base unit from dialling selected phone numbers. You can assign up to 6 call restriction numbers (up to 8 digits). If you dial a restricted number, the call does not connect and the restricted number flashes.

Follow steps **1** to **4** of **Call Options** on page 78, then:

5 Select "Call Restricted".

6 Search and press **RIGHT SOFT KEY** to attach (or cancel) "√" to the desired Cordless Handset(s) or Base Unit to restrict.



7 Press **JOYSTICK**.

8 Select the restricted Number item (1-6).

9 Enter the restricted phone number (up to 8 digits).

10 Press **JOYSTICK**.

NOTE: When you put a first digit on step 9, it must overwrite the current displayed numbers. We recommend you to write down the restricted phone number you entered.

Other Options

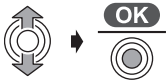
To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Base".

3 Enter 4-digit Base Unit PIN. (Factory Preset 0000)

4 Select "Other Option".



Go to step **5**.

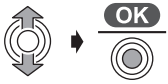
Changing the Base Unit PIN (Personal Identification Number)

The factory preset is 0000.

Once you have programmed the base unit PIN, you cannot confirm it. We recommend you write down the base unit PIN. If you forget it, please consult your Panasonic Service Centre. 24065444

Follow steps **1** to **4** shown above, then:

5 Select "Change Base PIN".



6 Enter new 4-digit Base Unit PIN.

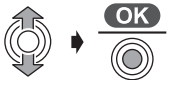
7 Enter new PIN again to verify.

Resetting the Base Unit Settings

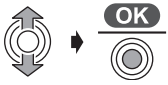
You can reset all of the base unit settings to their initial settings.

Follow steps **1** to **4** shown above, then:

5 Select "Reset Base".



6 Select "Yes", then "Deleted" is displayed.



Base Unit Settings

◆Initial Settings for Base Unit

Function	Initial Setting
4-Digit Base Unit PIN	0000
Base Unit External Ringer Pattern	1
Base Unit Receiver Volume	Medium
Call Bar Mode	OFF
Display Language	English
Redial Memory	Delete All
Phonebook List	Remain
SMS Message Centre Number 1	24414592
Caller ID List	Delete All
SMS Message Lists	Delete All
SMS PBX Line Access Number Support ON/OFF	OFF
SMS PBX Line Access Number	Delete All
SMS Feature	ON
Terminal No.	1
Public Key	Delete All
Date/Time	31-12-03/00:00

- All of the other base unit settings are cleared or turned to their factory preset when you reset the base unit settings.

Making a Call from the Caller ID List

Please see page 30 for more feature description.

To exit the operation, press (C) at any time.

1 Press **RIGHT SOFT KEY**.

➧ The newest caller information is displayed.

2 Select the desired item.

3 Lift the handset.

- You can also press (SP-PHONE) to make a call.
- "✓" indicates you have already viewed this caller information, or answered the call. It also indicates the registered cordless handset user has already viewed this caller information, or answered the call.
- If the caller has requested not to display his/her information, the display shows "Private Caller".
- If the caller dialled from an area which does not provide Caller ID service, the display shows "Out of Area".
- When scrolling reaches the end of the list, an end tone will sound.

Caller ID List Menu

You can edit (for calling) or delete item(s) in the Caller ID List.

To exit the operation, press (C) at any time.

1 Press **RIGHT SOFT KEY**.

➧ The newest caller information is displayed.

2 Select the desired item.

Go to step **3**.

- When scrolling reaches the end of the list, an end tone will sound.
- If there are no items stored in the caller list when is pressed, the base unit display shows "Memory Empty".

◆Editing the Received Number for Calling

Follow steps **1** and **2** of **Caller ID List Menu** on the previous page, then:

3 Select "`Edit for Call`".

4 Edit Phone Number. (max. 24 digits)

5 Press **MIDDLE SOFT KEY**.

- You can also press (SP-PHONE) to make a call.
- If you press (0) to (WXYZ 9) or (*) after step **3**, the first digit of the phone number will be inserted.

◆Deleting One/All Caller ID Item(s)

Follow steps **1** and **2** of **Caller ID List Menu** on the previous page, then:

3 Select "`Delete`" or "`Delete All`".

4 Select "`Yes`", then "`Deleted`" is displayed.

- To delete the displayed item, press (CLEAR) then select "`Yes`" on step **2** of **Caller ID List Menu** (p. 83).

Redial List Menu

You can edit (for calling) or delete item(s) in the redial List.
To exit the operation, press (C) at any time.

1 Press **REDIAL**.

➧ The last number dialled is displayed.

2 Search for the desired dialled item.

Go to step **3**.

Editing the Dialled Number for Calling

Follow steps **1** and **2** shown above, then:

3 Select "Edit for Call".

4 Edit Phone Number. (max. 24 digits)

5 Lift the handset or press **MIDDLE SOFT KEY**.

Deleting One/All Redial Item(s)

Follow steps **1** and **2** shown above, then:

3 Select "Delete" or "Delete All".

4 Select "Yes", then "Deleted" is displayed.

- To delete the displayed item, press then select "Yes" on step **2**.

Operations Performed with the Base Unit

Finding Items in the Base Unit Phonebook

Storing (p. 38)/Editing (p. 43)/Deleting (p. 44) items in the base unit phonebook can be operated with cordless handset.
To exit the operation, press (C) at any time.

1 Press **LEFT SOFT KEY**.

➧ The first base unit phonebook item is displayed.

2 Select the desired item.

Dialling from the Base Unit Phonebook

To exit the operation, press (C) at any time.

1 Press **LEFT SOFT KEY**.

➧ The first base unit phonebook item is displayed.

2 Select the desired item.

3 Lift the handset.

- You can also press (SP-PHONE) to make a call.

Ringer Options

The choices for the base unit ringer volume are 3 levels and off.

If you set the volume to OFF, "🔕" is displayed.

To exit the operation, press (C) at any time.

Setting the Base Unit Ringer Volume

1 Press **MIDDLE SOFT KEY**.

2 Select "Ringer Option".

3 Select "Ringer Volume".

4 To increase volume, press **NAVIGATOR KEY** up.
To decrease volume, press **NAVIGATOR KEY** down.

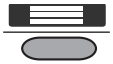
5 Press **MIDDLE SOFT KEY**.

- The factory preset is medium.

Setting the Base Unit Ringer Pattern for External Call

The choices for the base unit ringer pattern for external call are 6 patterns.

1 Press **MIDDLE SOFT KEY**.



2 Select "Ringer Option".

3 Select "EXT Ringer Type".

4 Select the desired ringer pattern.

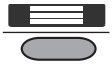
- The factory preset is 1.

Call Bar ON/OFF

When this feature is set to ON, outgoing calls cannot be made. Intercom calls and calls to numbers assigned as emergency numbers can be made (see **Setting the Emergency Call Numbers** on page 79).

To exit the operation, press (C) at any time.

1 Press **MIDDLE SOFT KEY**.



2 Select "Call Bar".

3 Enter 4-digit Base Unit PIN. (Factory Preset 0000)

4 Select "On" or "Off".

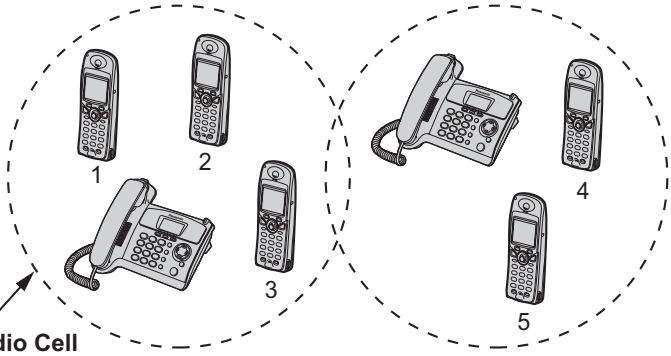
- The factory preset is "Off".
- While the Call Bar mode is turned on, "" is displayed.

Operating Additional Cordless Handsets

Additional **KX-TCA151E** cordless handsets are available for purchase separately. Up to 6 cordless handsets can be registered to a single base unit. Using additional cordless handsets allows you to have an intercom call while simultaneously conducting a call to an outside line.

Operating Additional Base Units

You can register and operate your cordless handset with up to 4 base units. Each base unit forms 1 radio cell. If the individual bases are linked to the same telephone line then you can extend the operating range of the system by positioning the bases so that the cordless two radio cells overlap. If the cordless handset is set to auto base selection, then in standby mode the cordless handset will automatically swap to the second base if the range on the first base is exceeded. It is not possible to transfer calls between bases (only between cordless handsets linked to the same base unit).



Example:
Additional cordless handsets (KX-TCA151E) registered with 2 base units.

NOTE: Calls are disconnected when the cordless handset moves from one radio cell to another.

Cordless Handset Registration to a Base Unit

The cordless handset supplied with the base unit is already registered. If an optional cordless handset is purchased, it must be registered as follows.

Charge the optional cordless handset batteries for 7 hours before initial use.

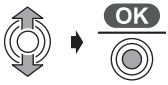
Cordless handset registration must be completed within 1 minute after pressing . If over 1 minute, press then start over again.

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Registration".



4 Select "Register H/set".

5 **Press and hold button on the Base Unit (for about 3 seconds) until the tone sounds.**

6 Select the desired base unit.

7 Enter 4-digit Base Unit PIN.
(Factory Preset 0000)

8 Press **JOYSTICK**.

When a cordless handset is registered successfully, a confirmation tone sounds and the "Y" icon is displayed.

- If you enter the incorrect Base Unit PIN, an error tone sounds. Repeat from step **1**.
- To register a cordless handset to more than one base unit, repeat from step **1** with the other base unit(s).
- The cordless handset main menu may change depending on the base unit that the cordless handset is registered to.

◆Cancelling a Cordless Handset

Each cordless handset can cancel itself or other cordless handsets. This feature is usually used to cancel a link between Cordless Handset and Base Unit.

To exit the operation, press at any time.

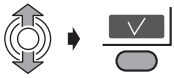
1 Press **JOYSTICK** (or move).

2 Select "Setting Base".

3 Enter 4-digit Base Unit PIN. (Factory Preset 0000)

4 Select "Cancel Handset".

5 Search and press **RIGHT SOFT KEY** to attach "✓" to the handset(s) to cancel.



6 Press **JOYSTICK**.

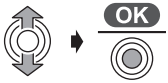
◆Cancelling a Base Unit

If a cordless handset is out of range and/or power is OFF when **Cancelling a Cordless Handset**, the previous base unit number will still remain in the cancelled cordless handset. Therefore, you need to cancel the base unit registered in the cancelled cordless handset.

To exit the operation, press at any time.

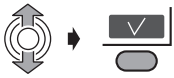
Follow steps **1** to **3** on the previous page, then:

4 Select "Cancel Base".



5 Enter 4-digit Handset PIN. (Factory Preset 0000)

6 Search and press **RIGHT SOFT KEY** to attach "✓" to the base unit to cancel.



7 Press **JOYSTICK**.

8 Select "Yes", then "Deleted" is displayed.

Multi-Unit User Operations

Base Unit Selection

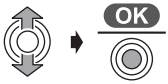
When "Auto" (Automatic Base Unit Selection) is selected, the cordless handset automatically searches for other registered base units if you move outside of the radio range of the current base unit.
When a specified base unit is selected, the cordless handset will access that base unit only.
Calls (both incoming and outgoing) can be conducted only via the selected base unit, even if the radio cells overlap with neighbouring base units.

To exit the operation, press ⏻ at any time.

1 Press **JOYSTICK** (or move).

2 Select "Setting Handset".

3 Select "Select Base".



4 Select "Auto" or the desired base unit.

- The factory preset is "Auto".

Intercom Between Registered Units

You can use your cordless handsets and base unit as a 2-way intercom.
Intercom calls can be conducted within the radio cell of the current base unit, but not with units in neighbouring radio cells.

To exit the operation, press (0) at any time.

Example: Cordless Handset 1 calls Cordless Handset 2

	<Cordless Handset 1>	<Cordless Handset 2>
1	Press **INTERCOM** (INT), then press the desired cordless handset number (2 ABC).	
2		Press **TALK**.

- You can also answer a call by pressing (INT), (0) to (9 WXYZ), (*), (#) or (↵) instead of pressing **(Any Key Talk)**.

Terminating a Call

	<Cordless Handset 1 or 2>
3	Press **TALK OFF** (0).

Example: Cordless Handset 1 calls Base Unit

	<Cordless Handset 1>	<Base Unit>
1	Press **INTERCOM** (INT), then press the base unit number (0).	
2		Lift the handset.

- You can also answer a call by pressing (↵) or (SP-PHONE).

Terminating a Call

	<Cordless Handset 1>		<Base Unit>
3	Press **TALK OFF** (0).	**OR**	To hang up, place the handset on the cradle or press (↵).

◆Example: Base Unit calls Cordless Handset 1

You can call all cordless handsets from the base unit at once if you press 0 on step **2**.
Using this feature, you can also locate a misplaced cordless handset.
When the base unit user pages all cordless handsets, only the cordless handset user who answers first can talk with the base unit user.

	<Base Unit>	<Cordless Handset 1>
1	Press **INTERCOM** (•)).	
2	Select the desired cordless handset number 1.	
3		Press **TALK** .

- You can also answer a call by pressing INT, 0 to 9WXYZ, *, #, or ⇦ instead of pressing **(Any Key Talk)**.

◆Terminating a Call

	<Base Unit>		<Cordless Handset 1>
4	To hang up, place the handset on the cradle or press ⇦.	**OR**	Press **TALK OFF** .

Transferring a Call to Another Registered Unit

The intercom can be used during a call to transfer an external call between registered units.

To exit the operation, press at any time.

Example: Cordless Handset 1 transfers a call to Cordless Handset 2

	<Cordless Handset 1>	<Cordless Handset 2>
	(During a call)	
1	Press **INTERCOM** (INT), then press the desired cordless handset number (ABC 2).	
2		Press **TALK**.
	(Conversation between Cordless Handset 1 and 2)	
3	Press **TALK OFF**.	(Conversation between outside line and Cordless Handset 2)

- During outside line is put on hold, press (INT) on the Cordless Handset 1 to return to the conversation between outside line and Cordless Handset 1.
- You can also answer a call by pressing (INT), (0) to (WXYZ 9), (A-a-*), (#) or (CID) instead of pressing **(Any Key Talk)**.
- If you press after pressing the desired cordless handset number, a call can be transferred to another cordless handset without speaking to another cordless handset.
  If the transferred call is not answered within 60 seconds, Cordless Handset 1 will ring again.
- When Cordless Handset 2 answers a call transferred, press (DEF 3) to establish a **conference call** or press to complete a call transfer.

Multi-Unit User Operations

To exit the operation, press (TALK OFF) at any time.

◆**Example: Cordless Handset 1 transfers a call Base Unit**

	<Cordless Handset 1>	<Base Unit>
	(During a call)	
1	Press **INTERCOM** (INT), then press the base unit number (0).	
2		Lift the handset.
	(Conversation between Cordless Handset 1 and Base Unit)	
3	Press **TALK OFF** (TALK OFF).	(Conversation between outside line and Base Unit)

- During outside line is put on hold, press (INT) on the Cordless Handset 1 to return to the conversation between outside line and Cordless Handset 1.
- You can also answer a call by pressing (SP-PHONE) or (HEADSET).
- If you press (TALK OFF) after pressing the base unit number, a call can be transferred to base unit without speaking to base unit.
  If the transferred call is not answered within 60 seconds, Cordless Handset 1 will ring again.
- When Base Unit answers a call transferred, press (DEF 3) to establish a **conference call** or press (TALK OFF) to complete a call transfer.

◆**Example: Base Unit transfers a call to Cordless Handset 1**

	<Base Unit>	<Cordless Handset 1>
	(During a call)	
1	Press **INTERCOM** (•)), then press the desired cordless handset number (1).	
2		Press **TALK**.
	(Conversation between Base Unit and Cordless Handset 1)	
3	To hang up, place the handset on the cradle or press (CLEAR).	(Conversation between outside line and Cordless Handset 1)

- During outside line is put on hold, press (•)) on the base unit to return to the conversation between outside line and the Base Unit.
- You can also answer a call by pressing (INT), (0) to (WXYZ 9), (A-e-*), (#) or (CLEAR) instead of pressing **(Any Key Talk)**.
- If you hang up after pressing the desired cordless handset number, a call can be transferred to the cordless handset without speaking to the cordless handset. If the transferred call is not answered within 60 seconds, Base Unit will ring again.
- When Cordless Handset 1 answers a transferred call, press (DEF 3) to establish a **conference call** or hang up to complete a call transfer.

Walkie-Talkie

The Walkie-Talkie feature allows cordless handsets to communicate with each other outside the range of the base unit. When the cordless handsets are in Walkie-Talkie mode, external calls cannot be received. Only **KX-TCA151E** with Walkie-Talkie feature can communicate with one another.
Talk time in this mode is approximately 6 hours. Standby time in this mode is approximately max. 15 hours. (It changes by the use conditions.) When using the cordless handset in Walkie-Talkie mode, we recommend keeping the cordless handset turned off, turning it on only when talking in Walkie-Talkie mode. Turning the cordless handset off immediately after use will improve battery operating time.

Range:
The maximum range between two cordless handsets while in Walkie-Talkie mode is up to 300 metres outdoors.

Setting the Walkie-Talkie Mode

You can set the Walkie-Talkie mode. There are two types: Common Base Station mode and Group mode. The factory preset is Group mode.

- In Common Base Station mode, communication is possible between cordless handsets registered to a common base unit. If the cordless handsets are registered to more than one base unit, the same base unit must be selected.

  Please note, the feature will not operate if AUTO is set in the base unit selection.

  If Common Base Station mode is selected and the cordless handset is not registered to a base unit, an error tone sounds.
- In Group mode, communication is possible between cordless handsets that are both set to Walkie-Talkie mode and have the same common Group ID.
  This allows cordless handsets to communicate in Walkie-Talkie mode regardless of which base unit they are registered to.

To exit the operation, press at any time.

1 Press **JOYSTICK** (or move).

2 Select "Walkie-Talkie".

3 Select "Setting".

4 Select "Common" or "Group".

When "Group" is selected;

5 Enter 3-digit Group Code. (Factory Preset 000)

6 Press **JOYSTICK**.

7 Enter Cordless Handset Number. (1-9: Factory Preset is 1)

8 Press **JOYSTICK** twice.

twice

- If you select "Group", enter Group Code (this can be 3 digits of your choice - the factory preset is 000). Make note of your code.
- The factory preset of Cordless Handset Number is 1.

IMPORTANT: Each cordless handset should have its own unique number.

Walkie-Talkie

Turning the Walkie-Talkie Mode ON/OFF

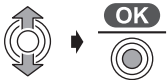
To use the Walkie-Talkie feature, all cordless handsets in conversation must be in Walkie-Talkie mode.
To exit the operation, press (OFF) at any time.

Turning the Walkie-Talkie Mode ON

1 Press **JOYSTICK** (or move).

2 Select "Walkie-Talkie".

3 Select "On".

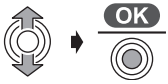


- When the Walkie-Talkie mode is ON, the cordless handset number is displayed after "Walkie-Talkie" appears on the display.

Turning the Walkie-Talkie Mode OFF

1 Press **JOYSTICK**.

2 Select "Off".



- This feature is also turned off if you turn power off then on.

Talking in Walkie-Talkie Mode

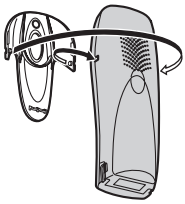
Before proceeding with this function, please ensure Walkie-Talkie mode is turned on, and the appropriate Walkie-Talkie mode has been selected.
For example, Cordless Handset 1 is calling Cordless Handset 2.

To exit the operation, press (OFF) at any time.

	<Cordless Handset 1>	**<Cordless Handset 2>**
1	Press **INTERCOM** (INT), (TALK) or (SP-PHONE), then press the desired cordless handset number (ABC 2).	
2		Press **TALK** (TALK).

- You can also answer a call by pressing (INT), (0) to (WXYZ 9), (*), (#) or (SP-PHONE) instead of pressing (TALK) **(Any Key Talk)**.

Using the Belt Clip



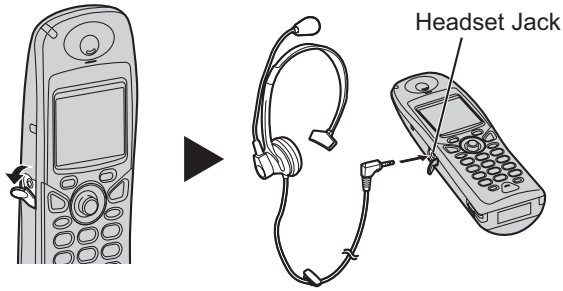
You can hang the cordless handset on your belt or pocket using the belt clip.

Optional Headset

Plugging an optional headset into the cordless handset allows hands-free phone conversations. Please use only the Panasonic KX-TCA89BX headset. While using the headset, speakerphone is not available. To switch to speakerphone, disconnect the headset.

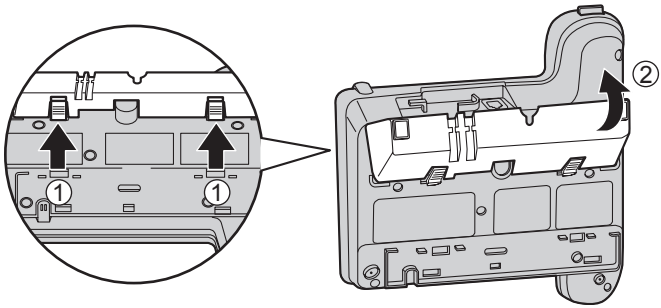
◆ **Connecting the Optional Headset to the Cordless Handset**

Open the headset jack cover, and connect the optional headset to the headset jack as shown.

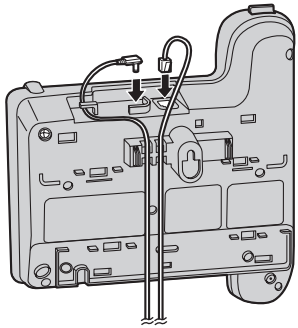


Desktop Use

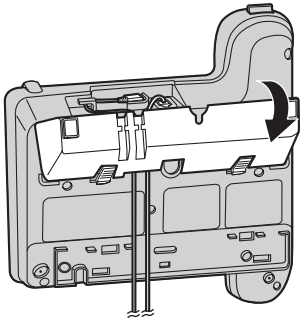
1 Press the tabs in the direction of the arrows (①), then remove the wall mounting adaptor (②).



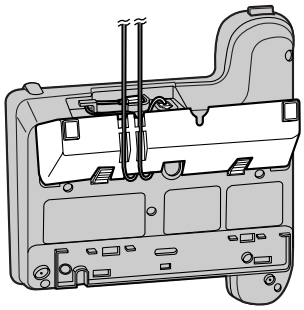
2 Connect the AC adaptor and the telephone line cord.



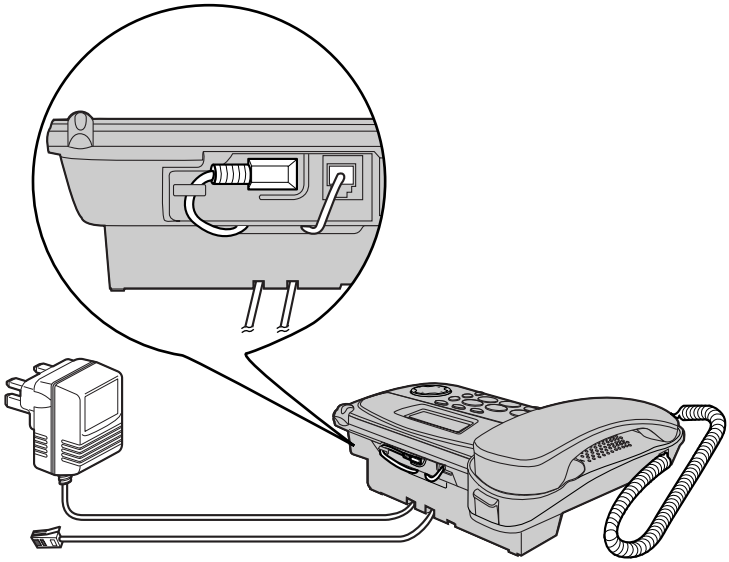
3 Put the wall mounting adaptor back.
- The word “UP DESK” should be upward.



4 Fasten the AC adaptor and the telephone line cord on the wall mounting adaptor.



5 Place the base unit on the desk.

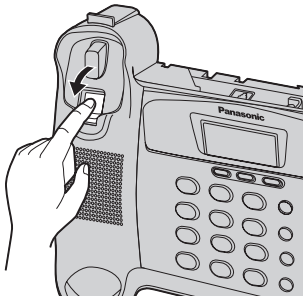


Wall Mounting

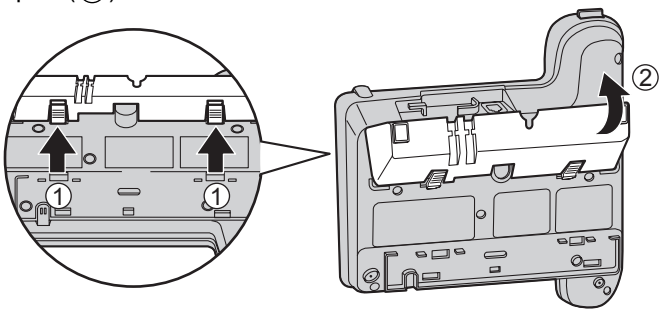
Base Unit

This base unit can be mounted on the wall.

1 Pull down the handset hook until it locks, so the tab holds the handset.

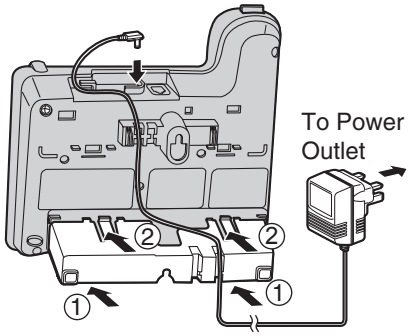


2 Press the tabs in the direction of the arrows (①), then remove the wall mounting adaptor (②).

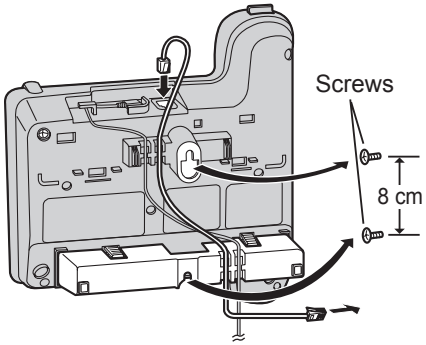


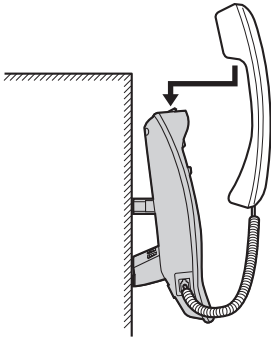
3 Connect the AC adaptor, then push the wall mounting adaptor in the direction of the arrows (①) and (②).

- The word “UP WALL” should face upward.



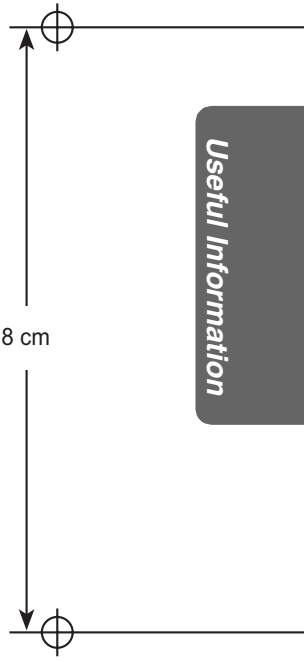
4 Connect the telephone line cord. Install screws using the wall template, then mount the base unit.





To temporarily set the handset down during a conversation, place it as shown here.

Wall Template

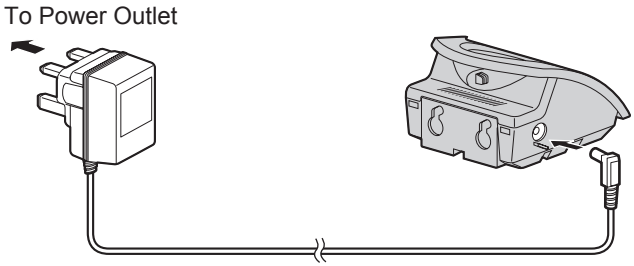


Wall Mounting

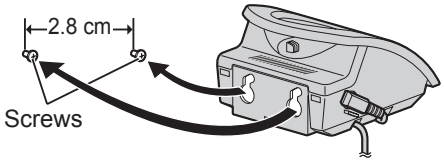
Charger unit

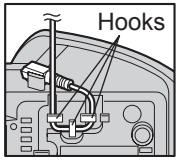
The charger can be mounted on the wall.

1 Connect the AC adaptor.



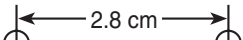
2 Install screws using the wall template, then mount the charger.





Fasten the AC adaptor cord to prevent it from being disconnected.

Wall Template

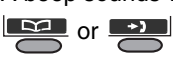


If you experience any problems with the normal use of your apparatus, you should unplug it from the telephone outlet and connect a known working telephone in its place. If the known working telephone still has problems, then please contact the customer service department of your Network provider.
If it operates correctly, then the problem is likely to be a fault in your apparatus. In this case, contact your supplier for advice. Your Network provider may charge you if they attend a service call that is not due to an apparatus supplied by them.
Turn the power OFF then ON (Handset)/Disconnect then connect the AC adaptor (Base Unit).

Problem	Possible cause	Solution	Page
The unit does not work.	• Batteries not installed properly. • AC adaptor of base unit not connected properly.	• Re-install batteries properly. • Disconnect and then connect AC adaptor.	p. 15
Display is blank.	• Cordless handset not turned on.	• Turn on power.	p. 18
Cordless handset will not turn on.	• Batteries not inserted. • Batteries not charged.	• Insert the 2 rechargeable batteries supplied. • Place cordless handset on charger and connect AC adaptor to charger and AC outlet (full charge period 7 hrs).	p. 15
Battery charge icon not counting up.	• Dirty charge contacts. • Charger not powered up.	• Clean charge/battery contacts and retry charge. • Connect AC adaptor to charger and AC outlet.	p. 16 p. 15
Y icon flashes.	• Cordless handset not registered to base unit. • Cordless handset out of range of base unit. • No power into base unit.	• Register cordless handset to base unit. • Move cordless handset closer to base unit. • Connect AC adaptor to base unit and AC outlet.	p. 90 p. 15
Cordless handset busy tone heard when is pressed.	• Cordless handset out of range of base unit. • Another unit in use.	• Move cordless handset closer to base unit. • Wait for the other user to complete call.	
No dial tone.	• Telephone line not connected.	• Insert telephone line cord to network. • Turn power OFF then ON.	p.15 p.18

Before Requesting Help

Problem	Possible cause	Solution	Page
Cannot dial out.	• Dialling mode setting may be incorrect.	• Check whether the dialling mode setting is correct.	p. 78
	• Call Bar mode set.	• Turn feature off.	p. 73 p. 88
	• Particular dialled number is restricted.	• Remove number from call restricted list.	p. 80
	• Key lock mode ON.	• Turn key lock OFF.	p. 25
Cordless handset will not ring.	• Ringer switched off.	• Set ringer to one of 6 volume levels.	p. 70
Last number redial does not work.	• Number exceeded 24 digits.	• Redial manually.	p. 26
No Caller ID number displayed.	• Service not supplied. • Caller has withheld info.	• Caller ID service must be arranged with Network provider.	p. 30
icon flashes.	• Battery low.	• Recharge batteries.	p. 16
Cannot register cordless handset to base unit.	• Max. number of base units already registered to cordless handset.	• Delete unused base unit registrations from cordless handset.	p. 91
	• Max. number of cordless handsets already registered to base unit.	• Delete unused cordless handset registrations from base unit.	p. 91
	• Wrong PIN number entered (Default 0000).	• If PIN number is lost, contact Panasonic Customer Service Hotline.	p. 81
	• Electrical noise in local area.	• Move base unit/cordless handset away from sources of electrical noise (e.g., TVs, radios, etc.).	p. 6
The display is blank even if the unit is charged.	• Battery low.	• Recharge batteries more than about 15 minutes.	p. 16
Date and time disappeared.	• Power failure on base unit.	• Set the date and time.	p. 20

Problem	Possible cause	Solution	Page
A beep sounds when  or on the base unit is pressed.	• Another unit in use.	• Wait for the other user to complete the operation.	
A beep sounds when entering caller list or base unit phonebook with cordless handset.	• Another unit in use.	• Wait for the other user to complete the operation.	

SMS-Text Messaging

Problem	Possible cause	Solution	Page
Cannot send a message.	• You have not subscribed to Caller ID.	• Caller ID service must be arranged with Network provider.	p. 48
	• SMS Centre number is not stored in your telephone.	• Store the number.	p. 63
	• Message was interrupted during sending.	• Wait until the message has been sent before using any other telephone functions.	
Cannot send or receive a message.	• Memory is full.	• Delete messages in the Outgoing/Incoming lists.	p. 57 p. 59
"`Unrecognized Message was received.`" is displayed.	• You have received Chinese text message.	• This unit does not support Chinese text message. Ask the sender to write the message in English.	

Error Code	Description	Page
FD	• Could not connect to the SMS Centre. Check that you have the correct SMS Centre numbers or turn the SMS feature on.	p. 63 p. 64
FE	• There was a problem sending the message.	

If you still have a problem please contact our Customer Service Hotline on: 2313 0666
Monday - Friday: 9:00am - 5:30pm Saturday: 9:00am - 1:00pm Sunday and Public Holidays: Closed

Phonebook Character Table

Buttons	Alphabet (ABC)	Numeric (0–9)	Greek(АВГ)	Extended 1(AÄÅ)	Extended 2 (SŚŠ)	Russian (АБВ)
1	Space # & ' ( ) * , – . / 1	1	Space # & ' ( ) * , – . / 1			
ABC 2	A B C 2	2	Α Β Γ 2	A À Á Â Ã Ä Å Æ B C Ç 2	A Á Ä Ą B C Ć Č 2	А Б В Г 2
	a b c 2			a à á â ã ä å æ b c ç 2	a á ä Ą b c Ć Č 2	
DEF 3	D E F 3	3	Δ Ε Ζ 3	D E È É Ê Ë Ē F 3	D Ď E É Ę Ě F 3	Д Е Ж З 3
	d e f 3			d e è é ê ë ē f 3	d ď e é Ę ě f 3	
GHI 4	G H I 4	4	Η Θ Ι 4	G Ğ H I Ì Í Î Ï Ī İ Ĭ 4	G H I Í 4	И Й К Л 4
	g h i 4			g ğ h i ì í î ï ī ı ĭ 4	g h i í 4	
JKL 5	J K L 5	5	Κ Λ Μ 5	J K L 5	J K L Ł Ĺ Ľ 5	М Н О П 5
	j k l 5			j k l 5	j k l Ł Ĺ Ľ 5	
MNO 6	M N O 6	6	Ν Ξ Ο 6	M N Ñ O Ò Ó Ô Õ Ö ø 6	M N Ń Ň O Ó Ö Ő 6	Р С Т У 6
	m n o 6			m n ñ o ò ó ô õ ö ø 6	m n Ń ň o ó ö ő 6	
PQRS 7	P Q R S 7	7	Π Ρ Σ 7	P Q R S Ş ß 7	P Q R Ŕ Ř S Ś Š 7	Ф Х Ц Ч 7
	p q r s 7			p q r s Ş ß 7	p q r Ŕ ř s Ś Š 7	
TUV 8	T U V 8	8	Τ Υ Φ 8	T U Ù Ú Û Ü Ũ V 8	T Ť U Ú Ü Ű ů V 8	Ш Щ Ъ Ы 8
	t u v 8			t u ù ú û ü ũ v 8	t ť u ú ü ű ů v 8	
WXYZ 9	W X Y Z 9	9	Χ Ψ Ω ϒ 9	W Ŵ X Y ŷ Z 9	W X Y ỳ Ý Z Ź Ż Ž 9	Ь Э Ю Я 9
	w x y z 9			w Ŵ x y ŷ z 9	w x y ỳ ý z Ź Ż Ž 9	
0	Space 0	0	Space 0			

- The following small (or capital) letters of Greek, Russian (Cyrillic), Polish, Czech and Slovakian are not available. Then same letter as capital (or small) will be displayed. ą ć č ę ł Í ľ ń Ø ŕ ş ś š Ů ŵ Ỳ Ŷ ź ż ž
- Press A→a/✱ to change letter size; Capital > Small, Small > Capital.
- To enter in LetterWise® Mode, see next page. (As for 1, see the table on this page.)

Character Table

SMS Character Table

"LetterWise®" Character Table

Buttons	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
Character Displayed	Space . @ / : ; ＊ # + - 1 " ' , ! ¡ ? ¿ _ € £ $ ¥ () [ ] { } & % \ ^ ~ | < > = ¤ §	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
		abc 2	def 3	ghi 4	jkl 5	mno 6	pqrs 7	tuv 8	wxyz 9

- Press 0 for space or 0.
- Press * to change letter size; Capital > Small, Small > Capital.
- Press # to show the next suggested character.

"Alphabet", "Numeric", "Greek" and "Extended" Character Table

Buttons	Alphabet (ABC)	Numeric (0–9)	Greek (ΑΒΓ)	Extended (AÄÅ)
1	Space . @ / : ; ＊ # + - 1 " ' , ! ¡ ? ¿ _ € £ $ ¥ () [ ] { } & % \ ^ ~ | < > = ¤ §	1	Space . @ / : ; ＊ # + - 1 " ' , ! ¡ ? ¿ _ € £ $ ¥ () [ ] { } & % \ ^ ~ | < > = ¤ §	Space . @ / : ; ＊ # + - 1 " ' , ! ¡ ? ¿ _ € £ $ ¥ () [ ] { } & % \ ^ ~ | < > = ¤ §
ABC 2	ABC 2 abc 2	2	ΑΒΓ 2	A À Á Â Ã Ä Å Æ B C Ç 2 a à á â ã ä å æ b c ç 2
DEF 3	DEF 3 def 3	3	ΔΕΖ 3	D E È É Ê Ë Ẽ F 3 d e è é ê ë ẽ f 3
GHI 4	GHI 4 ghi 4	4	ΗΘΙ 4	G Ğ H I Ì Í Î Ï Ĩ Ī 4 g ğ h i ì í î ï ĩ ı 4
JKL 5	JKL 5 jkl 5	5	ΚΛΜ 5	J K L 5 j k l 5
MNO 6	MNO 6 mno 6	6	ΝΞΟ 6	M N Ñ O Ò Ó Ô Õ Ö ø 6 m n ñ o ò ó ô õ ö ø 6
PQRS 7	PQRS 7 pqrs 7	7	ΠΡΣ 7	P Q R S Ş ß 7 p q r s Ş ß 7
TUV 8	TUV 8 tuv 8	8	ΤΥΦ 8	T U Ù Ú Û Ü Ũ V 8 t u ù ú û ü ũ v 8
WXYZ 9	WXYZ 9 wxyz 9	9	ΧΨΩ 9	W X Y Z 9 w x y z 9
0	Space 0	0	Space 0	Space 0

- The following small (or capital) are not available. The same letter as capital (or small) will be displayed.
  Ø ş
- Press * to change letter size; Capital > Small, Small > Capital.

AC Adaptor 5, 15
Accessories 5
Answering a Call 22
Any Key Talk 22
Auto Talk 22, 71

Base Unit
Display 14
Operations 83
PIN 81
Reset 81
Ringer Pattern 87
Ringer Volume 87
Selection 92
Base Unit Phonebook
Deleting 44
Editing 43
Storing 38
Battery
Caution 6
Charge 16
Information 16
Installation 15

Call Bar 73, 88
Call Restriction 80
Call Waiting 29
Caller ID List Menu (Base Unit)
Deleting 84
Editing 84
Caller ID List Menu (Cordless Handset)
Deleting 33
Editing 33
Storing 32
Cancelling a Base Unit 91
Cancelling a Handset 91
Conference Call 95, 96, 97
Cordless Handset
Display 13
PIN 74
Registration 90
Reset 76
Ringer Pattern 70
Ringer Volume 70

Date and Time 20
Dialling Mode 78
Dialling Pause 28, 79
Direct Call Number 73
Display
Standby Mode 71
Talk Mode 72

Emergency Call Numbers 79

Handset phonebook
Hot Keys 45
Storing 37
Hands-Free Phone
Base Unit 24
Cordless Handset 23

Intercom Between Registered Units 93

Key
Lock 25
Tone 71

Making a Call 21
Memo Alarm 67
Muting 24

Phonebook
Copy 46
Storing 37, 38
Power ON/OFF 18
Private Category 36

Recall 27
Receiver Volume 23
Redial List Menu (Base Unit)
Deleting 85
Editing 85
Redial List Menu (Cordless Handset)
Deleting 35
Editing 35
Storing 34
Redialling 26

Setting up 15
SMS Feature 48
Specifications 114

Transferring a Call 95

Walkie-Talkie 98

Technical Information

Specifications

Standard:	DECT=(Digital Enhanced Cordless Telecommunications) GAP=(Generic Access Profile)
Number of channels:	120 Duplex Channels
Frequency range:	1.88 GHz to 1.9 GHz
Duplex procedure:	TDMA (Time Division Multiple Access)
Channel spacing:	1728 kHz
Bit rate:	1152 kbit/s
Modulation:	GFSK
RF Transmission Power:	Approx. 250 mW
Voice coding:	ADPCM 32 kbit/s
Power source:	(For Base Unit) AC Adaptor 220 - 240 V, 50 Hz (For Charger Unit) AC Adaptor 220 - 240 V, 50 Hz
Power consumption:	(For Base Unit) Standby: Approx. 2.6 W Maximum: Approx. 9.2 W (For Charger Unit) Standby: Approx. 2.3 W Maximum: Approx. 6.8 W
Operating conditions:	5 - 40 °C, 20 - 80 % relative air humidity (dry)
Dimensions, Base Unit:	About (53 mm x 205 mm x 197 mm) x 670 g
Dimensions, Cordless Handset:	About (143 mm x 48 mm x 32 mm) x 125 g
Dimensions, Charger:	About (60 mm x 86 mm x 84 mm) x 113 g

- Specifications are subject to change.
- The illustrations used in this manual may differ slightly from the original device.

“Eatoni and LetterWise are trademarks of Eatoni Ergonomics, Inc.”

For your future reference

Serial No. Date of purchase

(found on the bottom of the unit)

Name and address of dealer

Hotline Tel. No.: 2313 0666

Technical specifications are subject to change.

Sales Department:
Shun Hing Technology Co., Ltd.
9/F., Peninsula Centre
67 Mody Road
Tsimshatsui East
Kowloon, Hong Kong
Tel: 2313 0888 Hotline: 2313 0666 Fax: 2368 8068

Panasonic Communications Co., Ltd.
1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

PQQX13979ZA F1003-0